

New Jersey Network Screening Lists, 2019

NJTPA - Pedestrian/Bicycle Intersection List (2012-2016 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

Crash Filtering Criteria

Crash	Year	IN [2012, 2013, 2014,2015,2016]	Years 2012, 2013, 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
	Crash_Type	IN [13,14]	13 - Pedestrian; 14 - Pedalcyclist
Pedestrian	Total_Peds_Involved	>0	At least one pedestrian/bicyclist involved

Equivalent Property Damage Only (ePDO) Score Weights

Crash Severity	KABCO Scale	2016 Dollars	ePDO Value (K=A)	eC Value (K=A)
Fatal	K	\$11,295,400	55.0420	5.2150
Incapacitating	A	\$655,000	55.0420	5.2150
Non-incapacitating	B	\$198,500	16.6807	1.5804
Possible Injury	C	\$125,600	10.5546	1.0000
Property Damage Only	PDO	\$11,900	1.0000	-

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

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

Rank (Weighted Score)	County Rank	MPO	County	Town	Major Route			Minor Route			Crashes by Severity (2012-2016)						Roadway System	Weighted Score (ePDO)	Weighted Score (eC)
					SRI	Milepost	Route Name	SRI	MP	Route Name	Total Crashes	K	A	B	C	No Injury			
1	1	NJTPA	ESSEX	MILLBURN TWP	00000577	0.92	Millburn Avenue	00000527	71.19	Main Street	25	0	4	6	11	4	County	440.35	41.34
2	2	NJTPA	ESSEX	IRVINGTON TWP	07000603	1.47	Springfield Avenue	07091825	0.79	North Maple Avenue	21	0	0	5	14	2	County	233.17	21.90
3	1	NJTPA	HUDSON	NORTH BERGEN TWP	09081254	0.00	Bergenline Avenue	09000063	0.00	Bergenline Avenue	11	0	3	1	4	3	County	227.03	21.23
4	3	NJTPA	ESSEX	EAST ORANGE CITY	00000508	8.81	Central Avenue	07141876	0.64	South Munn Avenue	13	0	1	5	7	0	County	212.33	20.12
5	4	NJTPA	ESSEX	NEWARK CITY	00000510	29.10	Market Street	07141916	0.78	Washington Street	5	0	3	0	2	0	County	186.24	17.65
6	5	NJTPA	ESSEX	NEWARK CITY	00000510	29.27	Market Street	07141865	1.33	Broad Street	17	0	0	4	11	2	County	184.82	17.32
7	6	NJTPA	ESSEX	NEWARK CITY	00000510	28.10	South Orange Avenue	07141895	2.66	Bergen Street	13	0	1	1	9	2	County	168.71	15.80
8	7	NJTPA	ESSEX	NEWARK CITY	07000667	0.40	Broadway	07141553	0.31	East 3rd Avenue	12	0	1	1	9	1	County	167.71	15.80
9	2	NJTPA	HUDSON	HARRISON TOWN	09000697	0.67	Frank E Rodgers Boulevard South	09041021	0.32	Bergen Street	11	0	1	2	7	1	County	163.29	15.38
10	8	NJTPA	ESSEX	NEWARK CITY	00000510	25.97	South Orange Avenue	07000605	1.59	Sandford Avenue	11	1	0	0	10	0	County	160.59	15.22
11	3	NJTPA	HUDSON	JERSEY CITY	00000501	28.42	Kennedy Boulevard	09061049	0.08	Audubon Avenue	10	0	1	2	6	1	County	152.73	14.38
12	4	NJTPA	HUDSON	JERSEY CITY	00000501	32.59	Kennedy Boulevard	09061748	0.34	Leonard Street	5	1	1	1	2	0	County	147.87	14.01
13	9	NJTPA	ESSEX	NEWARK CITY	00000510	29.42	Market Street	07141914	0.33	Park Place	9	1	0	1	7	0	County	145.60	13.80
14	10	NJTPA	ESSEX	NEWARK CITY	07000670	0.57	Franklin Street	07000645	0.00	Franklin Avenue	17	0	0	1	11	5	County	137.78	12.58
15	1	NJTPA	MONMOUTH	RED BANK BORO	00000520	16.94	Pinckney Road	130000111	0.00	Broad Street	4	1	1	1	1	0	County	137.32	13.01
16	1	NJTPA	MIDDLESEX	NEW BRUNSWICK CITY	12141217	0.00	Joyce Kilmer Avenue	12141213	0.23	Handy Street	4	1	1	0	2	0	Municipal	131.19	12.43
17	1	NJTPA	BERGEN	BERGENFIELD BORO	02000039	5.83	South Washington Avenue	02031258	0.85	West Clinton Avenue	7	0	1	3	2	1	County	127.19	11.96
18	1	NJTPA	PASSAIC	PATERSON CITY	16000647	0.45	Getty Avenue	16081485	0.35	Gould Avenue	5	0	2	0	1	2	County	122.64	11.43
19	5	NJTPA	HUDSON	JERSEY CITY	00000501	30.40	Kennedy Boulevard	09061564	0.52	Tonnele Avenue	11	0	0	1	10	0	County	122.23	11.58
20	1	NJTPA	OCEAN	LAKEWOOD TWP	15140006	0.68	Kennedy Boulevard	15141273	0.08	Clifton Avenue	4	0	2	0	1	1	County	121.64	11.43
21	11	NJTPA	ESSEX	NEWARK CITY	00000508	10.48	Central Avenue	07141900	2.34	Norfolk Street	7	1	0	2	3	1	County	121.07	11.38
22	2	NJTPA	PASSAIC	PATERSON CITY	16000601	5.70	Main Street	16081025	0.00	George Street	3	1	1	0	1	0	County	120.64	11.43
23	12	NJTPA	ESSEX	MONTCLAIR TWP	07000623	0.44	Grove Street	07131362	0.78	Walnut Avenue	6	1	0	2	3	0	County	120.07	11.38
23	12	NJTPA	ESSEX	NEWARK CITY	00000510	27.75	South Orange Avenue	07141193	0.80	South 9th Street	6	0	1	2	3	0	County	120.07	11.38
25	2	NJTPA	MIDDLESEX	NEW BRUNSWICK CITY	12141217	0.00	Joyce Kilmer Avenue	12141062	0.00	Drift Street	7	0	1	1	4	1	Municipal	114.94	10.80
25	14	NJTPA	ESSEX	NEWARK CITY	07141895	2.02	Bergen Street	07141885	2.14	18th Avenue	7	1	0	1	4	1	Municipal	114.94	10.80
27	15	NJTPA	ESSEX	NEWARK CITY	07141865	0.82	Broad Street	07141260	0.83	West Kinney Street	7	0	1	0	5	1	Municipal	108.82	10.22
28	3	NJTPA	PASSAIC	CLIFTON CITY	160006241	1.02	Lakeview Avenue	16000611	1.59	Clifton Avenue	7	0	1	0	5	1	County	108.81	10.22
29	4	NJTPA	PASSAIC	PATERSON CITY	16081447	0.34	Broadway	16000647	2.22	Straight Street	8	0	1	1	3	3	County	106.39	9.80
30	6	NJTPA	HUDSON	JERSEY CITY	00000501	30.56	Kennedy Boulevard	09061659	0.04	Bergen Avenue	5	0	1	3	0	1	County	106.08	9.96
31	16	NJTPA	ESSEX	MONTCLAIR TWP	07000623	0.54	Grove Street	07131064	0.07	Oxford Street	4	0	1	3	0	0	County	105.08	9.96
32	2	NJTPA	BERGEN	LEONIA BORO	02451653	1.48	Broad Avenue	020000563	3.32	Fort Lee Road	6	1	0	1	3	1	County	104.39	9.80
32	17	NJTPA	ESSEX	IRVINGTON TWP	07091822	0.87	Union Avenue	07000601	0.88	Chancellor Avenue	6	1	0	1	3	1	County	104.39	9.80
34	18	NJTPA	ESSEX	NEWARK CITY	07000603	2.45	Springfield Avenue	07141189	1.41	South 10th Street	5	0	1	1	3	0	County	103.39	9.80
35	19	NJTPA	ESSEX	NEWARK CITY	07141867	0.14	Raymond Boulevard	07142064	0.09	Nnp	8	0	0	3	5	0	Municipal	102.82	9.74
36	5	NJTPA	PASSAIC	PATERSON CITY	16000601	5.99	Main Street	16000649	0.00	Madison Avenue	6	0	1	2	1	2	County	100.96	9.38
37	20	NJTPA	ESSEX	EAST ORANGE CITY	00000508	9.23	Central Avenue	00000509	12.14	Grove Street	5	0	1	2	1	1	County	99.96	9.38
38	21	NJTPA	ESSEX	NEWARK CITY	07141865	0.96	Broad Street	07091883	2.24	Walnut Street	7	0	1	0	4	2	Municipal	99.26	9.22
39	3	NJTPA	BERGEN	ENGLEWOOD CITY	00000505	11.04	East Palisade Avenue	00000501	43.86	Engle Street	4	0	1	2	1	0	County	98.96	9.38
39	7	NJTPA	HUDSON	HOBOKEN CITY	09051054	1.11	Washington Street	09051037	0.16	Second Street	4	0	1	2	1	0	Municipal	98.96	9.38
41	22	NJTPA	ESSEX	BLOOMFIELD TWP	000005065	1.18	Bloomfield Avenue	07011212	1.13	Newark Avenue	7	0	0	4	3	0	County	98.39	9.32
42	6	NJTPA	PASSAIC	PASSAIC CITY	16000625	0.48	Lexington Avenue	16071134	0.44	Harrison Street	13	0	0	3	4	6	County	98.26	8.74
43	23	NJTPA	ESSEX	IRVINGTON TWP	07000602	0.11	Lyons Avenue	07000619	1.23	Stuyvesant Avenue	9	0	0	2	6	1	County	97.69	9.16
43	4	NJTPA	BERGEN	HACKENSACK CITY	020000561	4.55	Essex Street	02000055	4.55	Polifly Road	9	0	0	2	6	1	County	97.69	9.16
45	24	NJTPA	ESSEX	NEWARK CITY	00000508	9.80	Central Avenue	07141193	0.15	South 9th Street	5	0	1	0	4	0	County	97.26	9.22
45	24	NJTPA	ESSEX	IRVINGTON TWP	07000603	1.39	Springfield Avenue	07091053	0.00	Bruen Avenue	5	1	0	0	4	0	County	97.26	9.22
47	8	NJTPA	HUDSON	JERSEY CITY	00000501	30.36	Kennedy Boulevard	09061561	0.73	Sip Avenue	9	0	0	0	9	0	County	94.99	9.00
48	7	NJTPA	PASSAIC	CLIFTON CITY	16000601	4.42	Main Avenue	16000628	0.32	Piaget Avenue	5	0	1	1	2	1	County	93.83	8.80
49	9	NJTPA	HUDSON	NORTH BERGEN TWP	00000501	34.73	Kennedy Boulevard	09081055	0.09	45th Street	5	0	1	1	2	1	County	93.83	8.80
50	5	NJTPA	BERGEN	ENGLEWOOD CITY	00000501	42.86	Grand Avenue	00000093	3.50	Grand Avenue	8	0	0	3	4	1	County	93.26	8.74

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Crash	Year	IN [2012, 2013, 2014,2015,2016]	Years 2012, 2013, 2014, 2015, 2016
AND	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
	Crash_Type	IN [13,14]	13 - Pedestrian; 14 - Pedalcyclist
Pedestrian	Total_Peds_Involved	>0	At least one pedestrian/bicyclist involved

Equivalent Property Damage Only (ePDO) Score Weights

Crash Severity	KABCO Scale	2016 Dollars	ePDO Value (K=A)	eC Value (K=A)
Fatal	K	\$11,295,400	55.0420	5.2150
Incapacitating	A	\$655,000	55.0420	5.2150
Non-incapacitating	B	\$198,500	16.6807	1.5804
Possible Injury	C	\$125,600	10.5546	1.0000
Property Damage Only	PDO	\$11,900	1.0000	-

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

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

Rank (Weighted Score)	County Rank	MPO	County	Town	Major Route			Minor Route			Crashes by Severity (2012-2016)						Roadway System	Weighted Score (ePDO)	Weighted Score (eC)
					SRI	Milepost	Route Name	SRI	MP	Route Name	Total Crashes	K	A	B	C	No Injury			
51	26	NJTPA	ESSEX	NEWARK CITY	07141865	0.44	Broad Street	07141330	0.14	Thomas Street	7	0	0	3	4	0	Municipal	92.26	8.74
52	27	NJTPA	ESSEX	EAST ORANGE CITY	07191831	1.79	South Harrison Street	07171145	0.67	Freeway Dr South	9	0	0	1	7	1	Municipal	91.56	8.58
52	27	NJTPA	ESSEX	IRVINGTON TWP	07000603	0.84	Springfield Avenue	07091101	0.20	Civic Sq	9	0	0	1	7	1	County	91.56	8.58
54	8	NJTPA	PASSAIC	PASSAIC CITY	16000601	3.00	Main Avenue	16071214	0.00	Monroe Street	11	0	0	2	5	4	County	90.13	8.16
55	29	NJTPA	ESSEX	BLOOMFIELD TWP	00000509	14.53	Watsessing Avenue	07171827	2.00	Watsessing Avenue	7	0	0	4	2	1	Municipal	88.83	8.32
56	3	NJTPA	MIDDLESEX	NEW BRUNSWICK CITY	00000171	2.19	Suydam Street	12141034	0.20	Throop Street	3	0	1	2	0	0	Municipal	88.40	8.38
57	30	NJTPA	ESSEX	ORANGE CITY	07171203	0.00	Main Street	07000659	0.00	Main Street	5	1	0	0	3	1	County	87.71	8.22
58	31	NJTPA	ESSEX	NEWARK CITY	07091881	1.01	Clinton Avenue	07141892	0.90	Clinton Place	5	0	1	0	3	1	Municipal	87.71	8.22
59	1	NJTPA	MORRIS	DOVER TOWN	14091053	0.00	Richards Avenue	14091143	0.08	Bergen Street	4	1	0	0	3	0	Municipal	86.71	8.22
59	32	NJTPA	ESSEX	IRVINGTON TWP	07000619	1.62	Stuyvesant Avenue	07000665	1.78	Clinton Avenue	4	0	1	0	3	0	County	86.71	8.22
59	6	NJTPA	BERGEN	TEANECK TWP	02000039	2.12	Teaneck Road	02000063	1.77	Degraw Avenue	4	0	1	0	3	0	County	86.71	8.22
59	32	NJTPA	ESSEX	IRVINGTON TWP	07091881	0.34	Clinton Avenue	00000509	10.06	Grove Street	4	0	1	0	3	0	County	86.71	8.22
63	7	NJTPA	BERGEN	HACKENSACK CITY	02000057	0.98	Summit Avenue	02000056	4.20	Essex Street	7	0	0	2	5	0	County	86.13	8.16
63	34	NJTPA	ESSEX	NEWARK CITY	07141844	0.37	Ferry Street	07141372	0.22	Monroe Street	7	0	0	2	5	0	Municipal	86.13	8.16
65	10	NJTPA	HUDSON	JERSEY CITY	09000678	0.00	Secaucus Road	09000681	2.15	Paterson Plank Road	4	0	1	1	1	1	County	83.28	7.80
65	10	NJTPA	HUDSON	JERSEY CITY	00000501	29.91	Kennedy Boulevard	09061017	0.22	Fairmount Avenue	4	1	0	1	1	1	County	83.28	7.80
67	35	NJTPA	ESSEX	ORANGE CITY	07000659	0.23	Main Street	07171122	0.19	Jefferson Street	7	0	0	3	3	1	County	82.71	7.74
67	2	NJTPA	MONMOUTH	RED BANK BORO	13000010	0.88	West Front Street	13000011	0.83	Broad Street	7	0	0	3	3	1	County	82.71	7.74
67	35	NJTPA	ESSEX	NEWARK CITY	07141885	0.19	18th Avenue	07000619	2.40	Stuyvesant Avenue	7	0	0	3	3	1	County	82.71	7.74
70	1	NJTPA	HUNTERDON	FLEMINGTON BORO	00000523	10.29	Walter Foran Boulevard Extension	10091006	0.98	Main Street	3	0	1	1	1	0	Municipal	82.28	7.80
70	37	NJTPA	ESSEX	MAPLEWOOD TWP	07111829	0.00	Elmwood Avenue	07111797	0.85	Prospect Street	3	0	1	1	1	0	Municipal	82.28	7.80
70	1	NJTPA	UNION	LINDEN CITY	20000615	0.65	North Stiles Street	20091290	0.00	West Blancke Street	3	0	1	1	1	0	County	82.28	7.80
70	2	NJTPA	MORRIS	BOONTON TOWN	14000624	0.80	Hawkins Place	00000511	9.70	Boonton Avenue	3	0	1	1	1	0	County	82.28	7.80
70	1	NJTPA	UNION	WESTFIELD TOWN	20000610	2.45	North Avenue	20201116	0.09	Tuttle Parkway	3	1	0	1	1	0	County	82.28	7.80
70	4	NJTPA	MIDDLESEX	PLAINSBORO TWP	12181005	0.67	Dey Road	12181039	4.37	Plainsboro Road	3	0	1	1	1	0	Municipal	82.28	7.80
70	8	NJTPA	BERGEN	HASBROUCK HEIGHTS BORO	02000057	2.23	Boulevard	02251024	0.26	Lawrence Avenue	3	1	0	1	1	0	County	82.28	7.80
70	1	NJTPA	UNION	ELIZABETH CITY	20041420	0.27	Elizabeth Avenue	20041054	0.50	South Second Street	3	1	0	1	1	0	Municipal	82.28	7.80
70	2	NJTPA	OCEAN	LAKEWOOD TWP	15000623	6.71	New Hampshire Road	15141347	0.81	Oak Street	3	0	1	1	1	0	County	82.28	7.80
70	37	NJTPA	ESSEX	NEWARK CITY	07141893	0.34	Hawthorne Avenue	07141892	0.58	Clinton Place	3	0	1	1	1	0	Municipal	82.28	7.80
70	37	NJTPA	ESSEX	BLOOMFIELD TWP	00000509	17.14	Broad Street	07021681	0.00	Bay Avenue	3	1	0	1	1	0	County	82.28	7.80
81	40	NJTPA	ESSEX	NEWARK CITY	07141865	0.49	Broad Street	07141906	0.00	South Street	6	0	0	3	3	0	Municipal	81.71	7.74
81	9	NJTPA	BERGEN	HACKENSACK CITY	02000056	4.98	Essex Street	02231256	0.37	State Street	6	0	0	3	3	0	County	81.71	7.74
81	3	NJTPA	MORRIS	DOVER TOWN	14000643	1.14	South Morris Street	00000513	41.35	East Blackwell Street	6	0	0	3	3	0	County	81.71	7.74
81	40	NJTPA	ESSEX	MONTCLAIR TWP	07000623	0.12	Grove Street	07081356	0.34	Glenridge Avenue	6	0	0	3	3	0	County	81.71	7.74
85	42	NJTPA	ESSEX	IRVINGTON TWP	07000603	0.66	Springfield Avenue	07000619	1.36	Stuyvesant Avenue	7	0	0	1	6	0	County	80.01	7.58
86	43	NJTPA	ESSEX	MONTCLAIR TWP	00000506	6.12	Bloomfield Avenue	07131115	0.00	Midland Avenue	7	0	0	1	6	0	County	80.01	7.58
87	44	NJTPA	ESSEX	ORANGE CITY	07051144	1.30	Freeway Drive West	07171078	0.36	Essex Avenue	5	1	0	0	2	2	Municipal	78.15	7.22
88	12	NJTPA	HUDSON	JERSEY CITY	00000501	30.90	Kennedy Boulevard	09061378	0.17	Van Winkle Avenue	8	0	0	2	4	2	County	77.58	7.16
88	45	NJTPA	ESSEX	GLEN RIDGE BORO	00000506	0.24	Bloomfield Avenue	07000653	1.21	Ridgewood Avenue	8	0	0	2	4	2	County	77.58	7.16
90	5	NJTPA	MIDDLESEX	NEW BRUNSWICK CITY	00000171	2.29	Suydam Street	12151263	1.07	Remsen Avenue	5	0	0	4	1	0	Municipal	77.28	7.32
91	13	NJTPA	HUDSON	BAYONNE CITY	09011545	0.85	Avenue E East	09011175	0.00	East 21st Street	4	1	0	0	2	1	Municipal	77.15	7.22
92	14	NJTPA	HUDSON	BAYONNE CITY	09011543	2.48	Avenue C	09011030	0.29	West 52nd Street	3	0	1	0	2	0	Municipal	76.15	7.22
92	46	NJTPA	ESSEX	BLOOMFIELD TWP	00000506	0.95	Bloomfield Avenue	07021869	0.00	Municipal Plaza	3	0	1	0	2	0	County	76.15	7.22
92	46	NJTPA	ESSEX	NEWARK CITY	00000508	9.89	Central Avenue	07141222	0.05	South 7th Street	3	0	1	0	2	0	County	76.15	7.22
95	48	NJTPA	ESSEX	NEWARK CITY	07091880	1.73	Nye Avenue	07141890	0.48	Osborne Terrace	3	1	0	0	2	0	Municipal	76.15	7.22
95	15	NJTPA	HUDSON	JERSEY CITY	09061546	0.39	Grand Street	09061720	1.44	Grove Street	3	1	0	0	2	0	Municipal	76.15	7.22
95	4	NJTPA	UNION	ELIZABETH CITY	20041420	1.39	Elizabeth Avenue	20041090	0.00	Reid Street	3	0	1	0	2	0	Municipal	76.15	7.22
95	15	NJTPA	HUDSON	JERSEY CITY	09061473	0.50	Greene Street	09061770	0.33	Morgan Street	3	0	1	0	2	0	Municipal	76.15	7.22
95	48	NJTPA	ESSEX	GLEN RIDGE BORO	00000506	7.57	Belleville Avenue	07000653	1.37	Ridgewood Avenue	3	0	1	0	2	0	County	76.15	7.22
95	48	NJTPA	ESSEX	IRVINGTON TWP	07000603	1.00	Springfield Avenue	07091054	0.06	New Street	3	1	0	0	2	0	County	76.15	7.22