

New Jersey Network Screening Lists, 2023

NJTPA - Pedestrian Corridor List (2016-2020 Crashes)
Developed by GPI for the New Jersey Department of Transportation (NJDOT)

Print Date: Friday, November 3, 2023
Delivery Date: August 10, 2023

Source Table	Query Logic	Source Table Field	Readable Field	Query Values	Description
Safety Voyager Accidents Table	AND	year	Year	BETWEEN 2016 AND 2020	Years 2016, 2017, 2018, 2019, 2020
		mun_cty_co	County	IN ('02', '07', '09', '10', '12', '13', '14', '15', '16', '18', '19', '20', '21')	02 - Bergen; 07 - Essex; 09 - Hudson; 10 - Hunterdon; 12 - Middlesex; 13 - Monmouth; 14 - Morris; 15 - Ocean; 16 - Passaic; 18 - Somerset; 19 - Sussex; 20 - Union; 21 - Warren
		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
		crash_type	Crash Type	= '13'	13 - Pedestrian
		ped_involved	Pedestrian Involved	> 0	At least one pedestrian involved
		cyclist_involved	Cyclist Involved	= 0 OR IS NULL	No bicyclists involved

Equivalent Property Damage Only (ePDO) Score Weights				
Crash Severity	KABCO Scale	2023 Dollars	ePDO Value (K=A)	eC Value (K=A)
Fatal	K	\$14,277,743	56.9173	5.2470
Incapacitating Injury	A	\$826,309	56.9173	5.2470
Non-incapacitating Injury	B	\$249,666	17.1973	1.5854
Possible Injury	C	\$157,482	10.8476	1.0000
Property Damage Only	PDO	\$14,518	1.0000	-

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

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

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

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Rank (ePDO)	County Rank	MPO	County	Municipality	SRI	Mile Post - From	Mile Post - To	Corridor Length	Route	Crashes by Severity (2016-2020)						Weighted Score (ePDO)	Weighted Score (eC)	Is EJ Area?	Is Census Block Group Pop. < 1,000?	NJDOT SLD - Lane Count	NJDOT SLD - Roadway Jurisdiction	NJDOT SLD - Functional Class	ARD - Divided By	EJScreen - Census Block Group Population (Lowest Value)	EJScreen - Minority % (Highest Value)	EJScreen - Low-Income % (Highest Value)
										Total Crashes	K	A	B	C	O											
1	2	NJTPA	ESSEX	NEWARK CITY	07141865	0.50	1.50	1.00	BROAD ST	30	0	5	7	11	7	531.291	48.3328	YES	YES	6	Municipal	Principal Arterial - Other	Painted Median	352	100%	100%
2	1	NJTPA	ESSEX	NEWARK CITY	00000510	25.82	26.82	1.00	ROUTE 510	30	1	3	5	18	3	511.912	46.915	YES	YES	4	County	Principal Arterial - Other	Painted Median	369	100%	74%
3	3	NJTPA	ESSEX	IRVINGTON TWP	07000602	0.51	1.51	1.00	ESSEX COUNTY 602	25	2	3	5	11	4	493.897	45.162	YES	YES	2	County	Minor Arterial	None	249	100%	75%
4	4	NJTPA	ESSEX	NEWARK CITY	07000603	1.22	2.22	1.00	ESSEX COUNTY 603	31	1	1	9	18	2	465.867	42.7626	YES	YES	4	County	Principal Arterial - Other	Painted Median	331	100%	98%
5	5	NJTPA	ESSEX	EAST ORANGE CITY	00000508	7.94	8.94	1.00	ROUTE 508	28	1	2	6	17	2	460.345	42.2534	YES	YES	4	County	Principal Arterial - Other	Painted Median	48	100%	74%
6	1	NJTPA	HUDSON	GUTTENBERG TOWN	09081254	1.15	2.15	1.00	BERGENLINE AVE	31	1	2	10	9	9	449.353	40.595	YES	YES	2	Municipal	Minor Arterial	Painted Median	205	100%	95%
7	6	NJTPA	ESSEX	NEWARK CITY	00000510	28.48	29.48	1.00	ROUTE 510	23	2	1	2	15	3	370.861	33.9118	YES	YES	2	Municipal	Principal Arterial - Other	Painted Median	454	100%	100%
8	2	NJTPA	HUDSON	BAYONNE CITY	09011543	1.65	2.65	1.00	AVENUE C	18	1	1	8	7	1	328.346	30.1772	YES	YES	4	Municipal	Minor Arterial	None	0	99%	73%
9	7	NJTPA	ESSEX	NEWARK CITY	07141844	0.08	1.08	1.00	FERRY ST	15	0	3	3	8	1	310.125	28.4972	YES	YES	2	Municipal	Minor Arterial	Painted Median	197	100%	93%
10	8	NJTPA	ESSEX	MONTCLAIR TWP	00000506	5.64	6.64	1.00	ROUTE 506	15	1	2	2	9	1	303.775	27.9118	YES	YES	4	County	Principal Arterial - Other	None	464	98%	55%
11	9	NJTPA	ESSEX	NEWARK CITY	07141891	1.05	2.05	1.00	ELIZABETH AVE	11	2	2	0	6	1	293.755	26.988	YES	YES	4	Municipal	Minor Arterial	Painted Median	202	100%	94%
12	10	NJTPA	ESSEX	NEWARK CITY	00000510	27.10	28.10	1.00	ROUTE 510	20	1	0	5	13	1	284.923	26.174	YES	YES	2	Municipal	Principal Arterial - Other	Painted Median	369	100%	97%
13	11	NJTPA	ESSEX	NEWARK CITY	07000619	1.91	2.89	0.98	ESSEX COUNTY 619	17	1	1	2	12	1	279.400	25.6648	YES	YES	2	County	Minor Arterial	Painted Median	417	100%	80%
14	12	NJTPA	ESSEX	NEWARK CITY	07000667	0.34	1.34	1.00	ESSEX COUNTY 667	20	0	2	2	11	5	272.553	24.6648	YES	YES	4	County	Minor Arterial	Painted Median	633	100%	81%
15	13	NJTPA	ESSEX	NEWARK CITY	07000603	2.36	3.36	1.00	ESSEX COUNTY 603	19	0	1	6	9	3	260.730	23.7594	YES	YES	4	County	Principal Arterial - Other	Painted Median	202	100%	100%
16	14	NJTPA	ESSEX	BLOOMFIELD TWP	000005065	1.01	2.01	1.00	ROUTE 506 SPUR	9	1	2	2	4	0	248.537	22.9118	YES	YES	4	County	Principal Arterial - Other	Painted Median	609	99%	76%
17	15	NJTPA	ESSEX	NEWARK CITY	07141895	2.66	3.66	1.00	BERGEN ST	14	1	1	2	9	1	246.858	22.6648	YES	YES	4	Municipal	Minor Arterial	Painted Median	454	100%	100%
18	1	NJTPA	PASSAIC	PATERSON CITY	16000601	5.70	6.70	1.00	PASSAIC COUNTY 601	11	1	1	5	4	0	243.212	22.421	YES	YES	2	County	Principal Arterial - Other	Painted Median	0	99%	81%
19	1	NJTPA	UNION	KENILWORTH BORO	00000509	9	11.2	1.00	ROUTE 509	9	0	3	1	5	0	242.187	22.3264	YES	YES	4	County	Minor Arterial	Painted Median	679	80%	72%
20	2	NJTPA	PASSAIC	PATERSON CITY	16000648	0.00	1.00	1.00	PASSAIC COUNTY 648	21	0	0	5	14	2	239.853	21.927	YES	YES	2	County	Minor Arterial	None	0	100%	83%
21	2	NJTPA	UNION	LINDEN CITY	20000617	1.85	2.85	1.00	UNION COUNTY 617	11	2	0	6	2	1	239.714	22.0064	YES	YES	2	County	Minor Arterial	None	424	97%	46%
22	1	NJTPA	BERGEN	FORT LEE BORO	02191169	0.12	0.40	0.28	BRIDGE PLAZA NORTH	10	2	1	1	4	2	233.340	21.3264	YES	YES	1	Municipal	Minor Arterial	None	563	88%	52%
23	2	NJTPA	BERGEN	CLIFFSIDE PARK BORO	02000029	1.34	2.34	1.00	BERGEN COUNTY 29	13	0	2	3	6	2	232.512	21.2502	YES	YES	2	County	Minor Arterial	Painted Median	495	83%	66%
24	16	NJTPA	ESSEX	NEWARK CITY	00000508	10.29	11.29	1.00	ROUTE 508	12	0	2	3	6	1	231.512	21.2502	YES	YES	2	County	Principal Arterial - Other	Painted Median	633	100%	100%
25	17	NJTPA	ESSEX	NEWARK CITY	07141893	0.10	1.10	1.00	HAWTHORNE AVE	12	0	2	4	4	2	228.014	20.8356	YES	YES	2	Municipal	Major Collector	Painted Median	388	100%	93%
26	3	NJTPA	HUDSON	NORTH BERGEN TWP	00000501	36.06	37.06	1.00	ROUTE 501	14	0	1	5	7	1	219.837	20.174	YES	YES	4	County	Principal Arterial - Other	Painted Median	141	98%	95%
27	18	NJTPA	ESSEX	NEWARK CITY	07091881	0.66	1.66	1.00	CLINTON AVE	16	0	1	4	8	3	215.487	19.5886	YES	YES	2	Municipal	Minor Arterial	Painted Median	202	100%	98%
28	3	NJTPA	UNION	PLAINFIELD CITY	20000620	0.25	1.25	1.00	UNION COUNTY 620	12	1	1	2	6	2	215.315	19.6648	YES	YES	2	County	Minor Arterial	None	805	100%	74%
29	3	NJTPA	BERGEN	TEANECK TWP	02000039	4.40	5.40	1.00	BERGEN COUNTY 39	14	0	1	4	8	1	213.487	19.5886	YES	YES	2	County	Principal Arterial - Other	None	515	100%	68%
30	4	NJTPA	HUDSON	JERSEY CITY	00000501	32.60	33.60	1.00	ROUTE 501	14	1	0	5	6	2	209.989	19.174	YES	YES	4	County	Principal Arterial - Other	Painted Median	0	98%	82%
31	19	NJTPA	ESSEX	IRVINGTON TWP	07000619	0.19	1.19	1.00	ESSEX COUNTY 619	16	0	1	3	9	3	209.138	19.0032	YES	YES	2	County	Minor Arterial	Painted Median	510	100%	80%
32	5	NJTPA	HUDSON	JERSEY CITY	00000501	30.10	31.10	1.00	ROUTE 501	13	0	1	5	6	1	208.989	19.174	YES	YES	4	County	Principal Arterial - Other	Painted Median	68	92%	60%
33	4	NJTPA	UNION	PLAINFIELD CITY	00000531	8.06	9.06	1.00	ROUTE 531	11	1	1	1	7	1	207.965	19.0794	YES	YES	2	County	Minor Arterial	None	931	100%	74%
34	4	NJTPA	HUDSON	NORTH BERGEN TWP	00000501	33.85	34.85	1.00	ROUTE 501	14	0	1	3	9	1	207.338	19.0032	YES	YES	4	County	Principal Arterial - Other	Painted Median	0	100%	95%
35	4	NJTPA	BERGEN	HACKENSACK CITY	02000561	4.00	5.00	1.00	BERGEN COUNTY 561	13	0	1	6	4	2	205.491	18.7594	YES	YES	4	County	Minor Arterial	None	177	95%	86%
36	3	NJTPA	PASSAIC	PASSAIC CITY	16000601	0.85	1.85	1.00	PASSAIC COUNTY 601	9	0	2	4	2	1	205.319	18.8356	YES	YES	2	County	Principal Arterial - Other	Painted Median	543	96%	65%
36	7	NJTPA	HUDSON	JERSEY CITY	09061559	0.23	1.03	0.80	COLUMBUS DR	9	1	1	4	2	1	205.319	18.8356	YES	YES	4	Municipal	Minor Arterial	Painted Median	0	100%	79%
38	8	NJTPA	HUDSON	WEST NEW YORK TOWN	09121076	0.04	0.83	0.79	60TH ST	13	1	1	3	3	5	202.969	18.2502	YES	YES	2	County	Principal Arterial - Other	Painted Median	0	100%	95%
39	20	NJTPA	ESSEX	NEWARK CITY	07091882	0.09	1.09	1.00	AVON AVE	12	0	1	3	8	0	195.290	18.0032	YES	YES	2	Municipal	Major Collector	Painted Median	202	100%	98%
40	9	NJTPA	HUDSON	JERSEY CITY	09011544	3.83	4.83	1.00	BROADWAY	8	1	1	2	4	0	191.620	17.6648	YES	YES	2	Municipal	Minor Arterial	Painted Median	0	100%	67%
40	5	NJTPA	BERGEN	FORT LEE BORO	02000563	3.80	4.80	1.00	BERGEN COUNTY 56 III	8	1	1	2	4	0	191.620	17.6648	YES	YES	2	County	Minor Arterial	None	578	88%	52%
42	1	NJTPA	MIDDLESEX	NEW BRUNSWICK CITY	00000527	46.30	47.30	1.00	ROUTE 527	7	0	2	3	2	0	187.122	17.2502	YES	YES	2	County	Principal Arterial - Other	None	315	97%	88%
43	21	NJTPA	ESSEX	NEWARK CITY	07141912	0.36	1.17	0.81	LAFAYETTE ST	12	0	1	3	7	1	185.442	17.0032	YES	YES	2	Municipal	Major Collector	Painted Median	615	100%	93%
44	22	NJTPA	ESSEX	NEWARK CITY	07091881	1.71	2.71	1.00	CLINTON AVE	13	0	1	4	5	3	182.945	16.5886	YES	YES	2	Municipal	Minor Arterial	Painted Median	202	100%	94%
45	23	NJTPA	ESSEX	NEWARK CITY	07141867	0.14	0.47	0.47	RAYMOND BLVD	8	0	2	2	3	1	181.772	16.6648	YES	YES	5	Municipal	Principal Arterial - Other	Painted Median	615	100%	100%
46	5	NJTPA	UNION	CRANFORD TWP	20000610	5.21	6.21	1.00	UNION COUNTY 610	4	0	3	0	1	0	181.599	16.741	YES	YES	2	County	Minor Arterial	None	513	64%	28%
47	10	NJTPA	HUDSON	JERSEY CITY	09061686	0.06	1.06	1.00	BERGEN AVE	12	0	1	2	8	1	179										

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Crash Filtering Criteria:

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

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

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

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										Total Crashes	K	A	B	C												O
95	3	NJTPA	SOMERSET	BRIDGEWATER TWP	00000533	30.49	31.49	1.00	ROUTE 533	5	0	1	4	0	0	125.706	11.5886	YES	NO	4	County	Minor Arterial	None	1,066	82%	30%
95	4	NJTPA	OCEAN	LAKEWOOD TWP	15141046	0.14	1.14	1.00	LEXINGTON AVE	5	0	1	4	0	0	125.706	11.5886	YES	YES	2	Municipal	Local	None	384	49%	88%
97	33	NJTPA	ESSEX	IRVINGTON TWP	07141233	0.29	1.28	0.99	16TH AVE	4	1	1	0	1	1	125.682	11.494	YES	YES	2	Municipal	Major Collector	None	331	100%	98%
98	8	NJTPA	BERGEN	BOGOTA BORO	02000563	0.62	1.62	1.00	BERGEN COUNTY 56 III	7	1	0	2	3	1	124.855	11.4178	YES	YES	2	County	Minor Arterial	None	528	88%	86%
99	5	NJTPA	OCEAN	LAKEWOOD TWP	00000526	31.43	32.43	1.00	ROUTE 526	3	1	1	0	1	0	124.682	11.494	YES	YES	2	County	Principal Arterial - Other	None	680	49%	80%
100	10	NJTPA	MIDDLESEX	WOODBRIIDGE TWP	12000604	3.51	4.51	1.00	MIDDLESEX COUNTY 604	6	0	1	2	3	0	123.855	11.4178	YES	YES	2	County	Principal Arterial - Other	None	637	94%	47%
100	9	NJTPA	BERGEN	GARFIELD CITY	00000507	9.79	10.79	1.00	ROUTE 507	6	0	1	2	3	0	123.855	11.4178	YES	YES	2	County	Principal Arterial - Other	None	371	100%	97%