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New Jersey Network Screening Lists, 2019

Somerset - Pedestrian 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: Friday, May 31, 2019

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	-	

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
	AND	Intersection	IN [1]
		Crash_Type	IN [13]
		Total_Peds_Involved	>0
		Is_Bicyclist	NOT IN [Y]

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

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

County Rank	Rank (Weighted Score)	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	111	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18000642	0.51	Mountain Avenue	18141168	0.45	North Drive	2	0	1	0	1	0	County	65.60	6.22
2	179	NJTPA	SOMERSET	MANVILLE BORO	00000533	28.47	South Main Street	18111051	0.64	South Street	1	0	1	0	0	0	County	55.04	5.22
2	179	NJTPA	SOMERSET	BOUND BROOK BORO	00000527	53.48	East Main Street	18041079	0.00	Hamilton Street	1	1	0	0	0	0	County	55.04	5.22
2	179	NJTPA	SOMERSET	BERNARDSVILLE BORO	00000525	10.90	Mount Airy Road	18031051	0.09	Dayton Crescent	1	0	1	0	0	0	County	55.04	5.22
2	179	NJTPA	SOMERSET	BERNARDS TWP	18000652	2.22	Allen Road	18021340	0.33	Hansom Rd East	1	1	0	0	0	0	Municipal	55.04	5.22
2	179	NJTPA	SOMERSET	BERNARDS TWP	00000512	19.89	Valley Road	18021162	0.00	Acken Road	1	0	1	0	0	0	County	55.04	5.22
7	364	NJTPA	SOMERSET	BERNARDS TWP	18000613	3.13	North Finley Avenue	18000624	0.97	West Oak Street	3	0	0	2	1	0	County	43.92	4.16
8	431	NJTPA	SOMERSET	FRANKLIN TWP	00000514	22.46	Hamilton Street	18000617	0.34	Franklin Boulevard	3	0	0	1	2	0	County	37.79	3.58
8	431	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18000636	1.80	Greenbrook Road	18141118	0.00	Grove Street	3	0	0	1	2	0	County	37.79	3.58
10	509	NJTPA	SOMERSET	BRIDGEWATER TWP	00000533	29.89	Main Street	18000612	1.34	East Main Street	2	0	0	2	0	0	County	33.36	3.16
11	647	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	00000531Z	0.95	Somerset Street	18141124	0.17	Jackson Avenue	2	0	0	1	1	0	County	27.24	2.58
11	647	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	00000531	9.02	Watchung Avenue	18141136	0.96	Chatham Street	2	0	0	1	1	0	County	27.24	2.58
13	861	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18000642	0.12	Mountain Avenue	00000531	9.51	Watchung Avenue	2	0	0	0	2	0	County	21.11	2.00
13	861	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18141168	0.02	Norwood Avenue	18141136	0.57	Chatham Street	2	0	0	0	2	0	Municipal	21.11	2.00
13	861	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	00000531Z	0.50	Somerset Street	18141100	0.38	Dupont Street	2	0	0	0	2	0	County	21.11	2.00
16	1,113	NJTPA	SOMERSET	SOMERVILLE BORO	18181556	0.67	South Bridge Street	18181100	0.00	Veterans Memorial Drive East	2	0	0	1	0	1	Municipal	17.68	1.58
17	1,161	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18141126	0.27	Westervelt Avenue	18141094	0.32	Summit Avenue	1	0	0	1	0	0	Municipal	16.68	1.58
17	1,161	NJTPA	SOMERSET	MONTGOMERY TWP	18131398	0.03	Borrowby Cir	18131286	0.32	York Drive	1	0	0	1	0	0	Municipal	16.68	1.58
17	1,161	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18000636	0.92	Greenbrook Road	18000649	0.61	West End Avenue	1	0	0	1	0	0	County	16.68	1.58
17	1,161	NJTPA	SOMERSET	SOMERVILLE BORO	18000612	0.36	East Main Street	18181102	0.00	Rehill Avenue	1	0	0	1	0	0	Municipal	16.68	1.58
17	1,161	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18000636	1.91	Greenbrook Road	18141101	0.00	Stone Street	1	0	0	1	0	0	County	16.68	1.58
17	1,161	NJTPA	SOMERSET	BRIDGEWATER TWP	18000639	0.44	North Bridge Street	18000673	0.00	Vogt Drive	1	0	0	1	0	0	County	16.68	1.58
17	1,161	NJTPA	SOMERSET	BOUND BROOK BORO	00000028	7.03	Union Avenue	00000525	0.00	Thompson Avenue	1	0	0	1	0	0	County	16.68	1.58
17	1,161	NJTPA	SOMERSET	FRANKLIN TWP	18081069	0.93	Demott Lane	18081070	0.00	Gates Road	1	0	0	1	0	0	Municipal	16.68	1.58
17	1,161	NJTPA	SOMERSET	BOUND BROOK BORO	18041077	0.46	West High Street	18041051	0.00	Windsor Street	1	0	0	1	0	0	Municipal	16.68	1.58
17	1,161	NJTPA	SOMERSET	WARREN TWP	00000527	58.94	Mountain Boulevard	18201078	0.00	Old Sterling Road	1	0	0	1	0	0	County	16.68	1.58
17	1,161	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	00000531Z	1.19	Somerset Street	00000531	8.82	Pearl Street	1	0	0	1	0	0	County	16.68	1.58
17	1,161	NJTPA	SOMERSET	MANVILLE BORO	00000533	28.26	South Main Street	18111104	0.00	East Camplain Road	1	0	0	1	0	0	County	16.68	1.58
17	1,161	NJTPA	SOMERSET	MANVILLE BORO	00000533	28.59	South Main Street	18101364	1.43	Brooks Boulevard	1	0	0	1	0	0	County	16.68	1.58
17	1,161	NJTPA	SOMERSET	MANVILLE BORO	00000533	28.72	North Main Street	18111035	0.76	Knopf Street	1	0	0	1	0	0	County	16.68	1.58
17	1,161	NJTPA	SOMERSET	HILLSBOROUGH TWP	00000514	11.50	Amwell Road	18101024	0.00	Beekman Lane	1	0	0	1	0	0	County	16.68	1.58
17	1,161	NJTPA	SOMERSET	FRANKLIN TWP	00000514	20.22	Amwell Road	18081592	0.00	Newton Court	1	0	0	1	0	0	County	16.68	1.58
17	1,161	NJTPA	SOMERSET	SOMERVILLE BORO	18181050	0.45	Davenport Street	18181051	0.10	Green Street	1	0	0	1	0	0	Municipal	16.68	1.58
17	1,161	NJTPA	SOMERSET	ROCKY HILL BORO	00000518	17.47	Washington Street	18171008	0.00	Princeton Avenue	1	0	0	1	0	0	County	16.68	1.58
35	1,865	NJTPA	SOMERSET	BERNARDSVILLE BORO	18031001	0.24	Anderson Hill Road	18031068	0.00	Highview Avenue	2	0	0	0	1	1	Municipal	11.55	1.00
36	2,014	NJTPA	SOMERSET	SOUTH BOUND BROOK BORO	18081654	0.77	Cedar Avenue	18191017	0.41	High Street	1	0	0	0	1	0	Municipal	10.55	1.00
36	2,014	NJTPA	SOMERSET	HILLSBOROUGH TWP	18101328	0.18	Drake Road	18101329	0.09	Hampshire Drive	1	0	0	0	1	0	Municipal	10.55	1.00
36	2,014	NJTPA	SOMERSET	BOUND BROOK BORO	18041040	0.07	Fairview Avenue	18041028	0.47	West 2nd Street	1	0	0	0	1	0	Municipal	10.55	1.00
36	2,014	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18141052	0.22	Walnut Street	18141038	0.11	Harrison Avenue	1	0	0	0	1	0	Municipal	10.55	1.00
36	2,014	NJTPA	SOMERSET	BERNARDS TWP	18021252	0.49	Spring House Lane	18021176	0.53	Woods End	1	0	0	0	1	0	Municipal	10.55	1.00
36	2,014	NJTPA	SOMERSET	BOUND BROOK BORO	18041559	0.12	Vosseller Avenue	18041080	0.15	West Maple Avenue	1	0	0	0	1	0	Municipal	10.55	1.00
36	2,014	NJTPA	SOMERSET	SOMERVILLE BORO	18181100	0.60	Park Avenue	18181099	0.72	East High Street	1	0	0	0	1	0	Municipal	10.55	1.00
36	2,014	NJTPA	SOMERSET	BERNARDS TWP	18000652	2.36	Allen Road	18021344	0.05	Patriot Hill Drive	1	0	0	0	1	0	Municipal	10.55	1.00
36	2,014	NJTPA	SOMERSET	SOUTH BOUND BROOK BORO	18081654	0.60	Cedar Avenue	18000610	0.73	Edgewood Terrace	1	0	0	0	1	0	Municipal	10.55	1.00
36	2,014	NJTPA	SOMERSET	FRANKLIN TWP	18081348	0.29	Millstone Road	18081352	0.08	Battle Street	1	0	0	0	1	0	Municipal	10.55	1.00
36	2,014	NJTPA	SOMERSET	FRANKLIN TWP	18081646	0.22	Douglas Avenue	18081311	0.29	Ray Street	1	0	0	0	1	0	Municipal	10.55	1.00
36	2,014	NJTPA	SOMERSET	FRANKLIN TWP	18081548	0.22	Stewart Avenue	18081554	0.00	Society Hill Boulevard	1	0	0	0	1	0	Municipal	10.55	1.00
36	2,014	NJTPA	SOMERSET	BERNARDS TWP	18021153	0.73	Mine Brook Road	18021154	0.00	Douglas Road	1	0	0	0	1	0	Municipal	10.55	1.00

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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]	13 - Pedestrian
Pedestrian	Total_Peds_Involved	>0	At least one pedestrian/bicyclist involved
	Is_Bicyclist	NOT IN [Y]	At least one pedestrian involved is not a bicyclist

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	-

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

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

County Rank	Rank (Weighted Score)	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			
36	2,014	NJTPA	SOMERSET	BRIDGEWATER TWP	18061554	0.53	Crim Road	18061057	0.27	Staffler Road	1	0	0	0	1	0	Municipal	10.55	1.00
36	2,014	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18000636	1.26	Greenbrook Road	18141048	0.00	Glenside Place	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	SOMERVILLE BORO	18000626	1.03	Somerset Street	18181095	0.00	New Street	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18000636	0.27	Greenbrook Road	18141013	0.23	Arnold Avenue	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18000636	0.37	Greenbrook Road	18141163	0.38	Clinton Avenue	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18000636	1.86	Greenbrook Road	18141122	0.23	Duer Street	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	RARITAN BORO	18000626	0.42	Somerset Street	18161003	0.13	Frederick Street	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	BERNARDS TWP	18000613	0.00	Stonehouse Road	00000512	20.52	Valley Road	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	BRIDGEWATER TWP	18000616	0.39	Washington Valley Road	18061274	0.00	Van Nest Drive	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	FRANKLIN TWP	18000617	1.40	Franklin Boulevard	18081648	0.61	Highland Avenue	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	SOUTH BOUND BROOK BORO	18000621	3.90	Elizabeth Avenue	18000610	0.59	Edgewood Terrace	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	00000531	9.43	Watchung Avenue	18141094	0.12	Summit Avenue	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	00000531	9.13	Watchung Avenue	18141081	0.13	Manning Avenue	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	MANVILLE BORO	00000533	27.69	South Main Street	18111088	0.00	Haran Avenue	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	00000531Z	1.01	Somerset Street	18141081	0.00	Manning Avenue	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	MANVILLE BORO	00000533	28.13	South Main Street	18111102	0.06	Beekman Street	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	MANVILLE BORO	00000533	28.37	South Main Street	18111047	0.00	Washington Street	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	BRIDGEWATER TWP	00000533	29.94	Main Street	18061361	0.24	Fulton Avenue	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	00000531Z	0.78	Somerset Street	18141093	0.52	Grandview Avenue	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	SOUTH BOUND BROOK BORO	00000527	52.74	Main Street	18081168	0.56	Maple Avenue	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	BOUND BROOK BORO	00000527	53.60	Mountain Avenue	00000533	32.36	Main Street	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	BOUND BROOK BORO	00000527	53.74	Mountain Avenue	18041077	0.16	East High Street	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	WARREN TWP	00000527	58.40	Mountain Boulevard	18201188	0.12	Penny Lane	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	RARITAN BORO	00000567	9.19	First Avenue	18061549	2.07	Johnson Drive	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	SOMERVILLE BORO	00000028	3.35	Main Street	18181556	0.82	South Bridge Street	1	0	0	0	1	0	Municipal	10.55	1.00
36	2,014	NJTPA	SOMERSET	SOMERVILLE BORO	00000028	3.70	Main Street	18181100	0.43	Veterans Memorial Drive East	1	0	0	0	1	0	Municipal	10.55	1.00
36	2,014	NJTPA	SOMERSET	BRANCHBURG TWP	00000022	29.12	US 22	18051110	0.28	France Drive	1	0	0	0	1	0	Municipal	10.55	1.00
36	2,014	NJTPA	SOMERSET	HILLSBOROUGH TWP	00000206	65.42	Disabled American Veterans Highway	00000514	13.21	Amwell Road	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	FRANKLIN TWP	00000514	22.52	Hamilton Street	18081348	0.37	Millstone Road	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	FRANKLIN TWP	00000514	22.86	Hamilton Street	18081309	0.37	Pine Street	1	0	0	0	1	0	County	10.55	1.00
36	2,014	NJTPA	SOMERSET	FRANKLIN TWP	00000514	23.57	Hamilton Street	18081378	0.34	Home Street	1	0	0	0	1	0	County	10.55	1.00
80	3,748	NJTPA	SOMERSET	SOMERVILLE BORO	18181032	0.05	Grant Avenue	18181039	0.09	Lincoln Street	1	0	0	0	0	1	Municipal	1.00	0.00
80	3,748	NJTPA	SOMERSET	SOMERVILLE BORO	18181557	0.24	Grove Street	18181052	0.47	East Cliff Street	1	0	0	0	0	1	Municipal	1.00	0.00
80	3,748	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	18000645	0.31	Rock Avenue	18000636	0.00	Greenbrook Road	1	0	0	0	0	1	County	1.00	0.00
80	3,748	NJTPA	SOMERSET	MONTGOMERY TWP	00000518	13.74	Georgetown-Franklin Turnpike	18000601	1.90	Great Road	1	0	0	0	0	1	County	1.00	0.00
80	3,748	NJTPA	SOMERSET	WATCHUNG BORO	00000529	10.40	Washington Rock Road	18211031	0.00	Robin Glen Road	1	0	0	0	0	1	County	1.00	0.00
80	3,748	NJTPA	SOMERSET	NORTH PLAINFIELD BORO	00000531	9.37	Watchung Avenue	18141093	0.39	Grandview Avenue	1	0	0	0	0	1	County	1.00	0.00