

New Jersey Network Screening Lists, 2019

Middlesex - High Risk Rural Roads (2014-2016 Crashes)

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

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Crash Filtering Criteria			
Crash	AND	Year	IN [2014,2015,2016]
		County	IN [2,7,9,10,12,13,14,15,16,18,19,20,21]
		Road_Sys_Code	IN [2,5,6,7,8]
		Intersection	NOT IN [1]
Road		Road_Func_Class	IN [7,8,9]
		Is_Urban	IN ['N']

Years 2014, 2015, 2016  
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  
2 - State Highway; 5 - County; 6 - County Authority; 7 - Municipal; 8 - Mun Authority  
1 - At Intersection  
7 - Rural Major Collector; 8 - Rural Minor Collector; 9 - Rural Local  
Non-urban (i.e., rural) roads only

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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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

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

Peer Group	Average Severe Crashes per Mile	No. of Locations
Major Collector, County Jurisdiction	0.1241	205
Major Collector, Municipal Jurisdiction	0.0000	18
Major Collector, NJDOT Jurisdiction	NA	0
Minor Collector, County Jurisdiction	0.0432	85
Minor Collector, Municipal Jurisdiction	0.0279	44
Minor Collector, NJDOT Jurisdiction	NA	0
Local, County Jurisdiction	0.0264	50
Local, Municipal Jurisdiction	0.0104	508
Local, NJDOT Jurisdiction	NA	0

County Rank (Weighted Score)	Rank (Weighted Score)	Rank (Weighted Score per Mile)	County Rank (Weighted Score per Mile)	Town	County	MPO	Route	Peer Group	SRI	Mile Post - From	Mile Post - To	Length	Crashes by Severity (2014-2016)						Severe Crashes per Mile	Severe Crashes per Mile (Peer Group + MPO Average)	Under or Over Average	Weighted Score	Weighted Score per Mile
													Total Crashes	K	A	B	C	No Injury					
1	19	2	2	CRANBURY TWP	MIDDLESEX	NJTPA	ROUTE 539	Major Collector, County Jurisdiction	00000539__	53.19	53.53	0.34	53	0	0	2	8	43	0.0000	0.1241	Under	160.80	472.94
2	70	170	4	MONROE TWP	MIDDLESEX	NJTPA	GRAVEL HILL RD	Local, Municipal Jurisdiction	12131028__	0.00	2.40	2.40	16	0	0	0	5	11	0.0000	0.0104	Under	63.77	26.57
3	106	254	7	MONROE TWP	MIDDLESEX	NJTPA	FEDERAL RD	Major Collector, Municipal Jurisdiction	12131011__	1.41	4.42	3.01	17	0	0	2	0	15	0.0000	0.0000	Under	48.36	16.07
4	156	195	6	MONROE TWP	MIDDLESEX	NJTPA	GRAVEL HILL SPOTSWOOD RD	Local, Municipal Jurisdiction	12131032__	0.77	2.15	1.38	6	0	0	1	1	4	0.0000	0.0104	Under	31.24	22.63
5	165	155	3	MONROE TWP	MIDDLESEX	NJTPA	FEDERAL RD	Major Collector, Municipal Jurisdiction	12131011__	0.36	1.41	1.05	11	0	0	0	2	9	0.0000	0.0000	Under	30.11	28.65
6.5	257	188	5	MONROE TWP	MIDDLESEX	NJTPA	UNION VALLEY RD	Local, Municipal Jurisdiction	12131020__	0.00	0.69	0.69	1	0	0	1	0	0	0.0000	0.0104	Under	16.68	24.17
6.5	257	1	1	MONROE TWP	MIDDLESEX	NJTPA	MONROE BL	Local, Municipal Jurisdiction	12131031__	0.00	0.03	0.03	1	0	0	1	0	0	0.0000	0.0104	Under	16.68	556.02
8.5	333	426	11	CRANBURY TWP	MIDDLESEX	NJTPA	BRICKYARD ROAD	Local, Municipal Jurisdiction	12021021__	0.00	1.71	1.71	2	0	0	0	1	1	0.0000	0.0104	Under	11.55	6.76
8.5	333	294	8	MONROE TWP	MIDDLESEX	NJTPA	MILLS RD	Local, Municipal Jurisdiction	12131027__	0.00	0.93	0.93	2	0	0	0	1	1	0.0000	0.0104	Under	11.55	12.42
10.5	457	368	10	MONROE TWP	MIDDLESEX	NJTPA	DEY GROVE RD	Local, Municipal Jurisdiction	12131018__	0.00	0.44	0.44	4	0	0	0	0	4	0.0000	0.0104	Under	4.00	9.09
10.5	457	361	9	MONROE TWP	MIDDLESEX	NJTPA	WYCKOFFS MILLS-APPLEGARTH RD	Minor Collector, Municipal Jurisdiction	12021022__	0.00	0.43	0.43	4	0	0	0	0	4	0.0000	0.0279	Under	4.00	9.30
12.5	615	700	12	MONROE TWP	MIDDLESEX	NJTPA	WYCKOFFS MILLS APPLEGARTH RD	Minor Collector, Municipal Jurisdiction	12021022__	0.43	1.17	0.74	1	0	0	0	0	1	0.0000	0.0279	Under	1.00	1.35
12.5	615	727	13	MONROE TWP	MIDDLESEX	NJTPA	WYCKOFFS MILLS RD	Minor Collector, Municipal Jurisdiction	12021023__	0.00	0.81	0.81	1	0	0	0	0	1	0.0000	0.0279	Under	1.00	1.23