

New Jersey Network Screening Lists, 2019

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

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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 [2,5,6,7,8] | 2 - State Highway; 5 - County; 6 - County Authority; 7 - Municipal; 8 - Mun Authority |
| | | Intersection | NOT IN [1] | 1 - At Intersection |
| Road | | Road_Func_Class | IN [7,8,9] | 7 - Rural Major Collector; 8 - Rural Minor Collector; 9 - Rural Local |
| | | Is_Urban | IN ['N'] | 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 |