

New Jersey Network Screening Lists, 2019

Somerset - 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

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Crash Filtering Criteria

| | | |
|---------------|--|--|
| 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 | - |

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

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

| 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 | | | |
| 148 | 5065 | 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 |
| 148 | 5065 | 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 |
| 148 | 5065 | NJTPA | SOMERSET | NORTH PLAINFIELD BORO | 18000636 | 0.70 | Greenbrook Road | 18141030 | 0.94 | Parkview Avenue | 1 | 0 | 0 | 0 | 0 | 1 | County | 1.00 | 0.00 |
| 148 | 5065 | NJTPA | SOMERSET | NORTH PLAINFIELD BORO | 18000636 | 1.17 | Greenbrook Road | 18141042 | 0.24 | Columbia Avenue | 1 | 0 | 0 | 0 | 0 | 1 | County | 1.00 | 0.00 |
| 148 | 5065 | NJTPA | SOMERSET | WATCHUNG BORO | 18000653 | 0.00 | Stirling Road | 00000527_S | 60.91 | Easton Avenue | 1 | 0 | 0 | 0 | 0 | 1 | County | 1.00 | 0.00 |
| 148 | 5065 | 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 |
| 148 | 5065 | NJTPA | SOMERSET | FAR HILLS BORO | 00000512 | 15.19 | Liberty Corner Road | 18021152 | 1.31 | Layton Road | 1 | 0 | 0 | 0 | 0 | 1 | County | 1.00 | 0.00 |
| 148 | 5065 | 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 |
| 148 | 5065 | NJTPA | SOMERSET | BERNARDSVILLE BORO | 00000525 | 11.35 | Mount Airy Road | 18031045 | 0.00 | Ambar Place | 1 | 0 | 0 | 0 | 0 | 1 | County | 1.00 | 0.00 |
| 148 | 5065 | 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 |