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# New Jersey Network Screening Lists, 2019

## Sussex - 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*

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### 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           | -              |

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

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

### 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]  | 13 - 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  |

| 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           | 179                   | NJTPA | SUSSEX | NEWTON TOWN    | 00000519    | 65.22    | Mill Street      | 19151005    | 0.00 | Hillside Ter    | 1                               | 0 | 1 | 0 | 0 | 0         | County         | 55.04                 | 5.22                |
| 2           | 1,161                 | NJTPA | SUSSEX | NEWTON TOWN    | 19151090    | 0.04     | Spring Street    | 19151088    | 0.61 | Moran Street    | 1                               | 0 | 0 | 1 | 0 | 0         | Municipal      | 16.68                 | 1.58                |
| 2           | 1,161                 | NJTPA | SUSSEX | NEWTON TOWN    | 19151082    | 0.74     | Trinity Street   | 19151088    | 0.53 | Moran Street    | 1                               | 0 | 0 | 1 | 0 | 0         | Municipal      | 16.68                 | 1.58                |
| 2           | 1,161                 | NJTPA | SUSSEX | NEWTON TOWN    | 19000616    | 0.40     | Railroad Avenue  | 19151056    | 0.00 | Diller Avenue   | 1                               | 0 | 0 | 1 | 0 | 0         | County         | 16.68                 | 1.58                |
| 5           | 2,014                 | NJTPA | SUSSEX | HOPATCONG BORO | 19121261    | 1.74     | Hopatcong Street | 19121145    | 0.75 | Monroe Trail    | 1                               | 0 | 0 | 0 | 1 | 0         | Municipal      | 10.55                 | 1.00                |
| 5           | 2,014                 | NJTPA | SUSSEX | NEWTON TOWN    | 19151070    | 0.00     | Union Place      | 19151082    | 0.58 | Trinity Street  | 1                               | 0 | 0 | 0 | 1 | 0         | Municipal      | 10.55                 | 1.00                |
| 5           | 2,014                 | NJTPA | SUSSEX | HOPATCONG BORO | 19121167    | 0.34     | Bucknell Trail   | 19121142    | 0.10 | Colby Trail     | 1                               | 0 | 0 | 0 | 1 | 0         | Municipal      | 10.55                 | 1.00                |
| 5           | 2,014                 | NJTPA | SUSSEX | NEWTON TOWN    | 19151090    | 0.19     | Sparta Road      | 19151082    | 0.49 | Union Place     | 1                               | 0 | 0 | 0 | 1 | 0         | Municipal      | 10.55                 | 1.00                |
| 9           | 3,748                 | NJTPA | SUSSEX | HOPATCONG BORO | 19121261    | 1.09     | Durban Avenue    | 19121066    | 0.38 | Tulsa Trail     | 1                               | 0 | 0 | 0 | 0 | 1         | Municipal      | 1.00                  | 0.00                |
| 9           | 3,748                 | NJTPA | SUSSEX | NEWTON TOWN    | 19151089    | 0.15     | Merriam Avenue   | 19151050    | 0.00 | Paterson Avenue | 1                               | 0 | 0 | 0 | 0 | 1         | Municipal      | 1.00                  | 0.00                |