

New Jersey Network Screening Lists, 2019

Union - Pedestrian Corridor List (2012-2016 Crashes)

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

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Crash Filtering Criteria:

Crash	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
AND	Road_Sys_Code	IN [5,6,7,8]	5 - County; 6 - County Authority; 7 - Municipal; 8 - Mun Authority
	Intersection	NOT IN [1]	1 - At Intersection
Pedestrian	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

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 Injury	A	\$655,000	55.0420	5.2150
Non-incapacitating Injury	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	SRI	Mile Post - From	Mile Post - To	Corridor Length	Route	Crashes by Severity (2012-2016)						Weighted Score (ePDO)	Weighted Score (eC)	Lane Count	Roadway System	Functional Class	Divided By
										Total Crashes	K	A	B	C	No Injury						
107	1,329	NJTPA	UNION	RAHWAY CITY	20131271	0.06	0.16	0.10	JONES PL	1	0	0	0	1	0	10.55	1.00	2	Municipal	Local	None
107	1,329	NJTPA	UNION	ELIZABETH CITY	20041044	0.31	0.41	0.10	THIRD ST	1	0	0	0	1	0	10.55	1.00	2	Municipal	Local	Painted Median
107	1,329	NJTPA	UNION	ROSELLE BORO	20000607	3.20	4.20	1.00	UNION COUNTY 607	1	0	0	0	1	0	10.55	1.00	2	County	Minor Arterial	None
107	1,329	NJTPA	UNION	HILLSIDE TWP	20071167	0.04	0.14	0.10	SUMMER AVE	1	0	0	0	1	0	10.55	1.00	2	Municipal	Local	None
107	1,329	NJTPA	UNION	PLAINFIELD CITY	20121178	0.15	0.25	0.10	BERKELEY TER	1	0	0	0	1	0	10.55	1.00	2	Municipal	Local	None
107	1,329	NJTPA	UNION	SPRINGFIELD TWP	20171095	0.00	0.10	0.10	CLINTON AVENUE	1	0	0	0	1	0	10.55	1.00	2	Municipal	Local	None
107	1,329	NJTPA	UNION	UNION TWP	20191282	0.50	0.60	0.10	JEANETTE AVE	1	0	0	0	1	0	10.55	1.00	2	Municipal	Local	None
107	1,329	NJTPA	UNION	UNION TWP	20191265	0.25	0.35	0.10	SHERIDAN ST	1	0	0	0	1	0	10.55	1.00	2	Municipal	Local	None
107	1,329	NJTPA	UNION	SUMMIT CITY	20181264	0.13	0.23	0.10	DEFOREST AVE	1	0	0	0	1	0	10.55	1.00	2	Municipal	Major Collector	None
180	2,131	NJTPA	UNION	RAHWAY CITY	20131243	0.85	0.95	0.10	MAPLE AVE	1	0	0	0	0	1	1.00	0.00	2	Municipal	Major Collector	Painted Median
180	2,131	NJTPA	UNION	PLAINFIELD CITY	20121305	1.49	1.59	0.10	WOODLAND AVE	1	0	0	0	0	1	1.00	0.00	2	Municipal	Major Collector	None
180	2,131	NJTPA	UNION	SPRINGFIELD TWP	20171005	0.28	0.38	0.10	BROWN AVE	1	0	0	0	0	1	1.00	0.00	2	Municipal	Local	Painted Median
180	2,131	NJTPA	UNION	RAHWAY CITY	20000608	0.62	0.72	0.10	UNION COUNTY 608	1	0	0	0	0	1	1.00	0.00	2	County	Major Collector	None
180	2,131	NJTPA	UNION	RAHWAY CITY	20000652	0.14	0.24	0.10	UNION COUNTY 652	1	0	0	0	0	1	1.00	0.00	2	County	Major Collector	None
180	2,131	NJTPA	UNION	MOUNTAINSIDE BORO	20101082	0.36	0.46	0.10	BIRCH HILL ROAD	1	0	0	0	0	1	1.00	0.00	2	Municipal	Local	None
180	2,131	NJTPA	UNION	ELIZABETH CITY	20041367	0.00	0.10	0.10	ATLANTIC ST	1	0	0	0	0	1	1.00	0.00	2	Municipal	Local	Unknown
180	2,131	NJTPA	UNION	LINDEN CITY	20091061	0.62	0.72	0.10	MCCANDLESS ST	1	0	0	0	0	1	1.00	0.00	2	Municipal	Local	None
180	2,131	NJTPA	UNION	SUMMIT CITY	20181017	0.12	0.22	0.10	MADISON AVE	1	0	0	0	0	1	1.00	0.00	2	Municipal	Local	None
180	2,131	NJTPA	UNION	UNION TWP	20191139	0.23	0.33	0.10	CRESTVIEW AVE	1	0	0	0	0	1	1.00	0.00	2	Municipal	Local	None
180	2,131	NJTPA	UNION	SUMMIT CITY	20181026	0.00	0.10	0.10	BEAUVOIR AV	1	0	0	0	0	1	1.00	0.00	2	Municipal	Local	None
180	2,131	NJTPA	UNION	HILLSIDE TWP	20000631	0.01	0.11	0.10	UNION COUNTY 631	1	0	0	0	0	1	1.00	0.00	2	County	Minor Arterial	None
180	2,131	NJTPA	UNION	ROSELLE PARK BORO	20000616	3.53	3.63	0.10	UNION COUNTY 616	1	0	0	0	0	1	1.00	0.00	4	County	Major Collector	None
180	2,131	NJTPA	UNION	RAHWAY CITY	20131014	0.04	0.14	0.10	MAIN ST	1	0	0	0	0	1	1.00	0.00	2	Municipal	Local	None
180	2,131	NJTPA	UNION	LINDEN CITY	20091115	0.08	0.18	0.10	AINSWORTH ST	1	0	0	0	0	1	1.00	0.00	2	Municipal	Local	None
180	2,131	NJTPA	UNION	HILLSIDE TWP	20071103	0.02	0.12	0.10	CORNELL PL	1	0	0	0	0	1	1.00	0.00	2	Municipal	Local	None
180	2,131	NJTPA	UNION	RAHWAY CITY	20131065	0.14	0.24	0.10	ALLEN ST	1	0	0	0	0	1	1.00	0.00	2	Municipal	Local	Painted Median
180	2,131	NJTPA	UNION	SCOTCH PLAINS TWP	20161267	0.00	0.10	0.10	ORCHARD DR	1	0	0	0	0	1	1.00	0.00	2	Municipal	Local	None
180	2,131	NJTPA	UNION	PLAINFIELD CITY	20121173	0.00	0.10	0.10	FARRAGUT RD	1	0	0	0	0	1	1.00	0.00	2	Municipal	Local	None
2,131		NJTPA	UNION	CRANFORD TWP	20031049	0.05	0.15	0.10	DUNHAM AVE	1	0	0	0	0	1	1.00	0.00	2	Municipal	Local	None