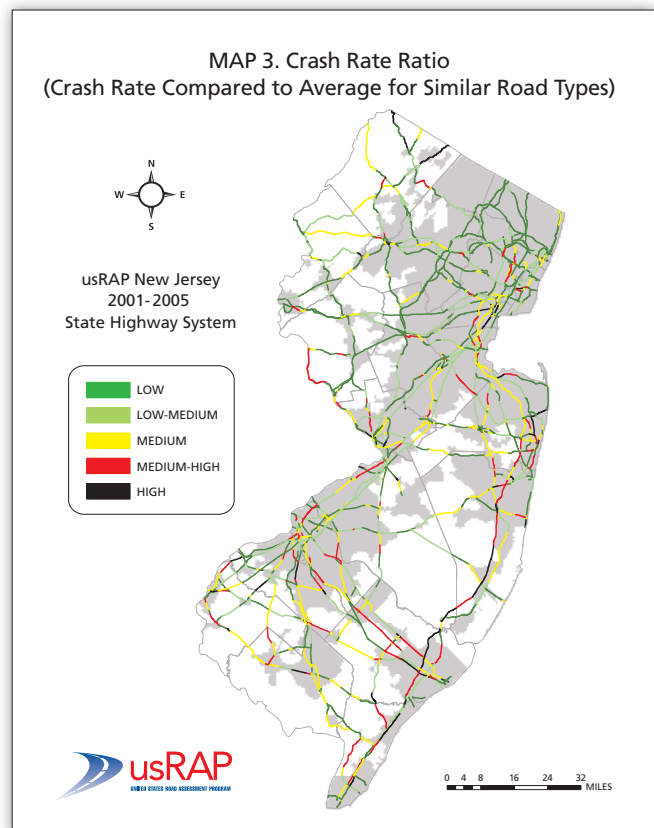


- ➡ Over 38,000 miles of public road
- ➡ 2,800 miles of state highways and toll roads

New Jersey usRAP Overview	Partners	New Jersey DOT, AAAFTS	Facts and Figures
	usRAP network	Interstate, US, and State routes	
	usRAP road sections	1,410 sections (latest data period 2001-2005)	
	Length of usRAP network	2,800 road miles	
		Statewide totals for rural and urban state highways <ul style="list-style-type: none"> • 41 billion annual veh-mi of travel (VMT) • 5,096 fatal and serious injury crashes Statewide averages for analysis sections on rural state highways <ul style="list-style-type: none"> • Average length = 2.0 mi • AADT = 39,800 veh/day • Fatal and serious injury crashes = 0.71 crashes/section/year • Fatal and serious injury crash density = 0.36 crashes/mi/year • Average crash rate = 2.55/100MVMT 	

Risk Mapping

Risk maps were developed for all state highways and toll roads in New Jersey, including both urban and rural roadways. Urban roads were included in New Jersey because over 80 percent of the New Jersey road network is urban. usRAP Map 3 (right) is based on the ratio of fatal and serious injury crash rate per billion veh-km of travel to the average crash rate for similar roads.



Summary Risk Mapping Data

NEW JERSEY, STATE MAINTAINED RURAL ROADS 2001-2005									
Road Type	Sections	Road Miles	Average Length (mi)	Average AADT (veh/day)	Annual VMT (Billion)	Fatal & Serious Injury Crashes			
						Total Frequency	Annual Frequency	Annual Density	Annual Rate (HMVM)
Interstate/Freeway	37	120	3.2	47,334	2.1	183	0.99	0.31	1.77
Multilane Divided	28	29	1.0	18,343	0.2	22	0.16	0.15	2.28
Multilane Undivided	14	20	1.4	15,785	0.1	21	0.30	0.21	3.69
Two-lane Undivided	127	355	2.8	9,162	1.2	301	0.47	0.17	5.07
Total	206	523	2.5	18,659	3.6	527	0.51	0.20	2.96

NEW JERSEY, STATE MAINTAINED URBAN ROADS 2001-2005									
Road Type	Sections	Road Miles	Average Length (mi)	Average AADT (veh/day)	Annual VMT (Billion)	Fatal & Serious Injury Crashes			
						Total Frequency	Annual Frequency	Annual Density	Annual Rate (HMVM)
Interstate/Freeway	241	740	3.1	79,544	21.5	1,537	1.28	0.42	1.43
Multilane Divided	372	626	1.7	45,895	10.5	1,580	0.85	0.50	3.01
Multilane Undivided	215	195	0.9	20,888	1.5	629	0.58	0.65	8.48
Two-lane Undivided	376	723	1.9	14,259	3.8	823	0.44	0.23	4.37
Total	1,204	2,283	1.9	44,651	37.2	4,569	0.76	0.40	2.46

Specific Applications of usRAP in New Jersey

Supplementary usRAP risk maps were developed for a range of crash types targeted in New Jersey's comprehensive highway safety plan, including speed-related crashes, alcohol- or drug-involved crashes, older-driver crashes, younger-driver crashes, and pedestrian crashes. Examples of two of these supplementary risk maps are shown below. These maps allow engineers to periodically conduct engineering assessments of road segments using available crash data to identify safety issues, benchmark progress, as well as guide strategic investments in highway infrastructure and allocation of enforcement resources.

