

# STANDARD

North Carolina Department of Transportation  
 Traffic Engineering and Safety Systems Branch  
 Traffic Safety Systems Management Unit  
 1999-2001 Three Year Crash Rates

## RURAL STATE HIGHWAYS

ITEMS	INTER-STATE	UNITED STATES	NORTH CAROLINA	PRIMARY	SECONDARY ROAD	TOTAL RURAL
TOTAL CRASHES	22,299	54,422	56,386	133,107	136,913	270,020
FATAL CRASHES	226	609	712	1,547	1,404	2,951
NON-FATAL INJURY CRASHES	7,698	23,516	24,302	55,516	55,319	110,835
NIGHT CRASHES	6,468	15,700	18,387	40,555	53,044	93,599
WET CRASHES	4,807	9,937	9,745	24,489	22,714	47,203
PERCENT FATAL CRASHES	1.01%	1.12%	1.26%	1.16%	1.03%	1.09%
PERCENT NON-FATAL INJURY CRASHES	34.52%	43.21%	43.10%	41.71%	40.40%	41.05%
PERCENT NIGHT CRASHES	29.01%	28.85%	32.61%	30.47%	38.74%	34.66%
PERCENT WET CRASHES	21.56%	18.26%	17.28%	18.40%	16.59%	17.48%
MILES OF ROAD	801	4,211	6,903	11,915	59,481	71,396
AVERAGE DAILY TRAFFIC	39,700	9,300	4,200	8,400	600	1,900
TRAVEL (100MVM) (1)	348.21	429.37	319.97	1,097.55	408.50	1,506.05
TOTAL CRASH RATE (2)	64.04	126.75	176.22	121.28	335.16	179.29
FATAL CRASH RATE (2)	0.65	1.42	2.23	1.41	3.44	1.96
NON-FATAL INJURY CRASH RATE (2)	22.11	54.77	75.95	50.58	135.42	73.59
NIGHT CRASH RATE (2)	18.58	36.56	57.46	36.95	129.85	62.15
WET CRASH RATE (2)	13.81	23.14	30.46	22.31	55.60	31.34
SEVERITY INDEX (3)	6.14	7.65	7.70	7.43	7.43	7.43

## URBAN STATE HIGHWAYS

ITEMS	INTER-STATE	UNITED STATES	NORTH CAROLINA	PRIMARY	SECONDARY ROAD	NON-SYSTEM	TOTAL URBAN
TOTAL CRASHES	23,935	89,724	53,687	167,346	96,850	130,236	394,432
FATAL CRASHES	115	272	154	541	271	280	1,092
NON-FATAL INJURY CRASHES	8,323	33,060	20,040	61,423	34,605	46,649	142,677
NIGHT CRASHES	5,731	17,717	10,548	33,996	20,250	25,916	80,162
WET CRASHES	4,951	15,785	9,223	29,959	16,263	22,118	68,340
PERCENT FATAL CRASHES	0.48%	0.30%	0.29%	0.32%	0.28%	0.21%	0.28%
PERCENT NON-FATAL INJURY CRASHES	34.77%	36.85%	37.33%	36.70%	35.73%	35.82%	36.17%
PERCENT NIGHT CRASHES	23.94%	19.75%	19.65%	20.31%	20.91%	19.90%	20.32%
PERCENT WET CRASHES	20.69%	17.59%	17.18%	17.90%	16.79%	16.98%	17.33%
MILES OF ROAD	237	1,265	1,105	2,607	4,285	21,542	28,434
AVERAGE DAILY TRAFFIC	75,600	18,200	11,600	20,600	4,900	1,000	3,400
TRAVEL (100MVM) (1)	196.19	252.36	140.28	588.83	230.79	235.88	1,055.50
TOTAL CRASH RATE (2)	122.00	355.54	382.72	284.20	419.65	552.12	373.69
FATAL CRASH RATE (2)	0.59	1.08	1.10	0.92	1.17	1.19	1.03
NON-FATAL INJURY CRASH RATE (2)	42.42	131.00	142.86	104.31	149.94	197.76	135.17
NIGHT CRASH RATE (2)	29.21	70.20	75.19	57.73	87.74	109.87	75.95
WET CRASH RATE (2)	25.24	62.55	65.75	50.88	70.47	93.77	64.75
SEVERITY INDEX (3)	4.91	5.18	5.30	5.16	5.05	4.89	5.00

## ALL STATE HIGHWAYS

ITEMS	INTER-STATE	UNITED STATES	NORTH CAROLINA	PRIMARY	SECONDARY ROAD	NON-SYSTEM	TOTAL System
TOTAL CRASHES	46,234	144,146	110,073	300,453	233,763	130,236	664,452
FATAL CRASHES	341	881	866	2,088	1,675	280	4,043
NON-FATAL INJURY CRASHES	16,021	56,576	44,342	116,939	89,924	46,649	253,512
NIGHT CRASHES	12,199	33,417	28,935	74,551	73,294	25,916	173,761
WET CRASHES	9,758	25,722	18,968	54,448	38,977	22,118	115,543
PERCENT FATAL CRASHES	0.74%	0.61%	0.79%	0.69%	0.72%	0.21%	0.61%
PERCENT NON-FATAL INJURY CRASHES	34.65%	39.25%	40.28%	38.92%	38.47%	35.82%	38.15%
PERCENT NIGHT CRASHES	26.39%	23.18%	26.29%	24.81%	31.35%	19.90%	26.15%
PERCENT WET CRASHES	21.11%	17.84%	17.23%	18.12%	16.67%	16.98%	17.39%
MILES OF ROAD	1,038	5,476	8,008	14,522	63,766	21,542	99,830
AVERAGE DAILY TRAFFIC	47,900	11,400	5,200	10,600	900	1,000	2,300
TRAVEL (100MVM) (1)	544.40	681.73	460.25	1,686.38	639.29	235.88	2,561.56
TOTAL CRASH RATE (2)	84.93	211.44	239.16	178.16	365.66	552.12	259.39
FATAL CRASH RATE (2)	0.63	1.29	1.88	1.24	2.62	1.19	1.58
NON-FATAL INJURY CRASH RATE (2)	29.43	82.99	96.34	69.34	140.66	197.76	98.97
NIGHT CRASH RATE (2)	22.41	49.02	62.87	44.21	114.65	109.87	67.83
WET CRASH RATE (2)	17.92	37.73	41.21	32.29	60.97	93.77	45.11
SEVERITY INDEX (3)	5.47	6.26	6.76	6.30	6.78	4.89	5.94

(1) ESTIMATED VALUE

(2) ACCIDENT RATES ARE IN ACCIDENTS PER 100 MILLION VEHICLE MILES OF TRAVEL

(3) SEVERITY INDEX = (76.8\*(F+A) + 8.4\*(B+C) + PDO) / TOTAL CRASHES

**1999-2001 Three Year Crash Rates  
By Road System, Type and Control  
Crash Rate per 100 Million Vehicle Miles Traveled**

**RURAL INTERSTATE ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED						
3 LANES UNDIVIDED						
4 OR MORE LANES UNDIVIDED						
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS						
PARTIAL CONTROL ACCESS						
FULL CONTROL ACCESS						
<b>TOTAL</b>	<b>801</b>	<b>64.04</b>	<b>0.65</b>	<b>22.11</b>	<b>18.58</b>	<b>13.81</b>

**URBAN INTERSTATE ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED						
3 LANES UNDIVIDED						
4 OR MORE LANES UNDIVIDED						
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS						
PARTIAL CONTROL ACCESS						
FULL CONTROL ACCESS						
<b>TOTAL</b>	<b>237</b>	<b>122.00</b>	<b>0.59</b>	<b>42.42</b>	<b>29.21</b>	<b>25.24</b>

**ALL INTERSTATE ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED						
3 LANES UNDIVIDED						
4 OR MORE LANES UNDIVIDED						
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS						
PARTIAL CONTROL ACCESS						
FULL CONTROL ACCESS						
<b>TOTAL</b>	<b>1,038</b>	<b>84.93</b>	<b>0.63</b>	<b>29.43</b>	<b>22.41</b>	<b>17.92</b>

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES

**1999-2001 Three Year Crash Rates  
By Road System, Type and Control  
Crash Rate per 100 Million Vehicle Miles Traveled**

**RURAL UNITED STATES ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	2,664	167.73	2.01	75.03	49.37	30.28
3 LANES UNDIVIDED*	16	120.94	1.70	55.38	33.34	23.17
4 OR MORE LANES UNDIVIDED	77	175.01	1.64	75.79	48.12	32.30
4+ LANES CONT. LEFT TURN LANE	177	107.00	0.96	47.01	23.36	19.13
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	588	137.85	1.29	58.01	38.77	24.34
PARTIAL CONTROL ACCESS	315	75.68	1.09	31.59	22.96	13.75
FULL CONTROL ACCESS	374	63.50	0.72	24.41	20.16	13.50
<b>TOTAL</b>	<b>4,211</b>	<b>126.75</b>	<b>1.42</b>	<b>54.77</b>	<b>36.56</b>	<b>23.14</b>

**URBAN UNITED STATES ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	495	349.84	1.09	131.38	67.22	59.08
3 LANES UNDIVIDED*	5	699.58	3.45	270.53	136.12	115.45
4 OR MORE LANES UNDIVIDED	121	740.59	2.02	283.30	141.78	125.84
4+ LANES CONT. LEFT TURN LANE	244	264.33	0.89	100.98	50.74	50.27
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	190	466.62	1.24	165.33	94.83	79.82
PARTIAL CONTROL ACCESS	112	282.72	0.88	102.08	55.80	50.17
FULL CONTROL ACCESS	98	179.23	0.72	62.90	38.53	34.51
<b>TOTAL</b>	<b>1,265</b>	<b>355.54</b>	<b>1.08</b>	<b>131.00</b>	<b>70.20</b>	<b>62.55</b>

**ALL UNITED STATES ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	3,159	208.36	1.80	87.60	53.35	36.70
3 LANES UNDIVIDED*	21	263.84	2.13	108.52	58.73	45.96
4 OR MORE LANES UNDIVIDED	198	560.84	1.90	217.35	112.01	96.11
4+ LANES CONT. LEFT TURN LANE	421	207.58	0.91	81.52	40.86	39.04
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	778	255.59	1.28	96.45	58.84	44.21
PARTIAL CONTROL ACCESS	427	158.85	1.00	59.90	36.15	28.38
FULL CONTROL ACCESS	472	102.59	0.72	37.41	26.37	20.60
<b>TOTAL</b>	<b>5,476</b>	<b>211.44</b>	<b>1.29</b>	<b>82.99</b>	<b>49.02</b>	<b>37.73</b>

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES  
\* RATES ARE NOT STATISTICALLY SIGNIFICANT

**1999-2001 Three Year Crash Rates  
By Road System, Type and Control  
Crash Rate per 100 Million Vehicle Miles Traveled**

**RURAL NORTH CAROLINA ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	6,605	186.06	2.41	79.80	61.64	32.03
3 LANES UNDIVIDED*	19	240.33	3.64	107.78	51.71	42.97
4 OR MORE LANES UNDIVIDED*	41	205.32	1.32	88.21	58.00	35.73
4+ LANES CONT. LEFT TURN LANE	84.0	102.67	1.31	46.43	26.65	18.07
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	104	146.57	1.19	67.61	41.79	27.27
PARTIAL CONTROL ACCESS*	19	81.13	0.83	35.28	26.12	11.95
FULL CONTROL ACCESS	31	26.91	0.36	12.37	7.03	5.46
<b>TOTAL</b>	<b>6,903</b>	<b>176.22</b>	<b>2.23</b>	<b>75.95</b>	<b>57.46</b>	<b>30.46</b>

**URBAN NORTH CAROLINA ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	786	370.51	1.15	138.15	72.32	61.34
3 LANES UNDIVIDED*	6	514.67	3.87	171.56	100.61	85.13
4 OR MORE LANES UNDIVIDED	101	594.37	1.60	221.47	116.29	103.75
4+ LANES CONT. LEFT TURN LANE	94	188.89	0.61	74.84	31.93	34.05
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	89	529.95	1.28	197.06	108.75	93.71
PARTIAL CONTROL ACCESS	18	160.23	0.52	59.63	35.74	28.42
FULL CONTROL ACCESS	11	100.76	0.00	31.18	21.05	22.61
<b>TOTAL</b>	<b>1,105</b>	<b>382.72</b>	<b>1.10</b>	<b>142.86</b>	<b>75.19</b>	<b>65.75</b>

**ALL NORTH CAROLINA ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	7,391	222.27	2.16	91.26	63.74	37.78
3 LANES UNDIVIDED*	25	339.32	3.72	130.80	69.35	58.18
4 OR MORE LANES UNDIVIDED	142	514.21	1.54	194.02	104.28	89.74
4+ LANES CONT. LEFT TURN LANE	178	155.93	0.88	63.98	29.91	27.94
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	193	382.62	1.24	147.31	83.02	68.18
PARTIAL CONTROL ACCESS	37	129.73	0.64	50.24	32.03	22.07
FULL CONTROL ACCESS	42	55.23	0.22	19.58	12.41	12.03
<b>TOTAL</b>	<b>8,008</b>	<b>239.16</b>	<b>1.88</b>	<b>96.34</b>	<b>62.87</b>	<b>41.21</b>

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES  
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**1999-2001 Three Year Crash Rates  
By Road System, Type and Control  
Crash Rate per 100 Million Vehicle Miles Traveled**

**RURAL PRIMARY ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	9,269	179.30	2.26	78.04	57.12	31.38
3 LANES UNDIVIDED*	35	173.10	2.55	78.28	41.37	31.82
4 OR MORE LANES UNDIVIDED	118	184.23	1.54	79.57	51.12	33.34
4+ LANES CONT. LEFT TURN LANE	261	105.78	1.06	46.85	24.29	18.83
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	692	139.03	1.28	59.32	39.18	24.74
PARTIAL CONTROL ACCESS	334	76.03	1.07	31.82	23.17	13.64
FULL CONTROL ACCESS	1,206	63.24	0.66	22.33	18.64	13.59
<b>TOTAL</b>	<b>11,915</b>	<b>121.28</b>	<b>1.41</b>	<b>50.58</b>	<b>36.95</b>	<b>22.31</b>

**URBAN PRIMARY ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	1,281	362.10	1.12	135.39	70.24	60.42
3 LANES UNDIVIDED*	11	593.83	3.69	213.93	115.82	98.11
4 OR MORE LANES UNDIVIDED	222	676.29	1.84	256.11	130.57	116.12
4+ LANES CONT. LEFT TURN LANE	338	244.47	0.81	94.10	45.78	46.00
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	279	486.29	1.25	175.19	99.15	84.13
PARTIAL CONTROL ACCESS	130	265.55	0.83	96.13	52.99	47.13
FULL CONTROL ACCESS	346	130.84	0.59	45.51	30.55	26.69
<b>TOTAL</b>	<b>2,607</b>	<b>284.20</b>	<b>0.92</b>	<b>104.31</b>	<b>57.73</b>	<b>50.88</b>

**ALL PRIMARY ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	10,550	217.03	2.02	89.88	59.83	37.38
3 LANES UNDIVIDED	46	299.89	2.89	119.16	63.80	51.80
4 OR MORE LANES UNDIVIDED	340	542.06	1.76	207.95	108.90	93.54
4+ LANES CONT. LEFT TURN LANE	599	193.64	0.90	76.78	37.91	36.04
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	971	281.96	1.27	107.01	63.86	49.18
PARTIAL CONTROL ACCESS	464	156.04	0.97	58.97	35.76	27.77
FULL CONTROL ACCESS	1,552	87.37	0.63	30.60	22.89	18.27
<b>TOTAL</b>	<b>14,522</b>	<b>178.16</b>	<b>1.24</b>	<b>69.34</b>	<b>44.21</b>	<b>32.29</b>

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**1999-2001 Three Year Crash Rates  
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Crash Rate per 100 Million Vehicle Miles Traveled**

**RURAL SECONDARY ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	59,355	340.46	3.55	137.63	133.02	56.43
3 LANES UNDIVIDED*	5	882.23	6.89	348.07	348.07	141.29
4 OR MORE LANES UNDIVIDED*	39	465.56	2.77	179.53	163.16	79.06
4+ LANES CONT. LEFT TURN LANE*	26	207.50	1.30	98.22	49.43	41.95
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	45	155.79	0.31	58.14	28.53	25.02
PARTIAL CONTROL ACCESS*	4	205.92	0.00	80.84	44.79	32.23
FULL CONTROL ACCESS*	7	2.48	0.00	1.06	0.71	0.35
<b>TOTAL</b>	<b>59,481</b>	<b>335.16</b>	<b>3.44</b>	<b>135.42</b>	<b>129.85</b>	<b>55.60</b>

**URBAN SECONDARY ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	3,799	479.25	1.44	169.69	101.28	79.20
3 LANES UNDIVIDED*	22	325.17	0.36	108.15	66.27	48.07
4 OR MORE LANES UNDIVIDED	211	482.86	1.07	177.45	99.01	83.30
4+ LANES CONT. LEFT TURN LANE	140	260.26	0.74	91.43	51.02	44.78
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	68	358.95	0.84	132.75	74.25	64.62
PARTIAL CONTROL ACCESS	32	128.42	0.20	50.93	29.73	23.39
FULL CONTROL ACCESS*	13	22.27	0.23	7.35	5.05	5.28
<b>TOTAL</b>	<b>4,285</b>	<b>419.65</b>	<b>1.17</b>	<b>149.94</b>	<b>87.74</b>	<b>70.47</b>

**ALL SECONDARY ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	63,154	376.59	3.00	145.98	124.75	62.36
3 LANES UNDIVIDED*	27	378.40	0.99	131.07	93.20	56.97
4 OR MORE LANES UNDIVIDED	250	481.03	1.25	177.67	105.77	82.86
4+ LANES CONT. LEFT TURN LANE	166	255.10	0.80	92.09	50.87	44.50
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	113	294.87	0.67	109.22	59.83	52.13
PARTIAL CONTROL ACCESS	36	140.32	0.17	55.53	32.04	24.74
FULL CONTROL ACCESS	20	14.49	0.14	4.88	3.34	3.34
<b>TOTAL</b>	<b>63,766</b>	<b>365.66</b>	<b>2.62</b>	<b>140.66</b>	<b>114.65</b>	<b>60.97</b>

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES  
\* RATES ARE NOT STATISTICALLY SIGNIFICANT

# STANDARD

North Carolina Department of Transportation  
Traffic Engineering and Safety Systems Branch  
Traffic Safety Systems Management Unit  
1999-2001 Three Year Truck Crash Rates

## RURAL STATE HIGHWAYS

ITEMS	INTER-STATE	UNITED STATES	NORTH CAROLINA	PRIMARY	SECONDARY ROAD	TOTAL RURAL
TOTAL CRASHES	3,477	3,083	2,160	8,720	2,034	10,754
FATAL CRASHES	57	105	88	250	36	286
NON-FATAL INJURY CRASHES	1,177	1,251	927	3,355	748	4,103
NIGHT CRASHES	1,088	692	464	2,244	419	2,663
WET CRASHES	565	488	348	1,401	274	1,675
PERCENT FATAL CRASHES	1.64%	3.41%	4.07%	2.87%	1.77%	2.66%
PERCENT NON-FATAL INJURY CRASHES	33.85%	40.58%	42.92%	38.47%	36.77%	38.15%
PERCENT NIGHT CRASHES	31.29%	22.45%	21.48%	25.73%	20.60%	24.76%
PERCENT WET CRASHES	16.25%	15.83%	16.11%	16.07%	13.47%	15.58%
MILES OF ROAD	801	4,211	6,903	11,915	59,481	71,396
AVERAGE DAILY TRAFFIC	39,700	9,300	4,200	8,400	600	1,900
TRAVEL (100MVM) (1)	348.21	429.37	319.97	1,097.55	408.50	1,506.05
TOTAL CRASH RATE (2)	9.99	7.18	6.75	7.94	4.98	7.14
FATAL CRASH RATE (2)	0.16	0.24	0.28	0.23	0.09	0.19
NON-FATAL INJURY CRASH RATE (2)	3.38	2.91	2.90	3.06	1.83	2.72
NIGHT CRASH RATE (2)	3.12	1.61	1.45	2.04	1.03	1.77
WET CRASH RATE (2)	1.62	1.14	1.09	1.28	0.67	1.11
SEVERITY INDEX (3)	6.73	10.15	10.39	8.85	7.50	8.60

## URBAN STATE HIGHWAYS

ITEMS	INTER-STATE	UNITED STATES	NORTH CAROLINA	PRIMARY	SECONDARY ROAD	NON-SYSTEM	TOTAL URBAN
TOTAL CRASHES	2,891	3,198	1,409	7,498	1,898	2,725	12,121
FATAL CRASHES	27	32	10	69	13	12	94
NON-FATAL INJURY CRASHES	976	909	408	2,293	473	669	3,435
NIGHT CRASHES	688	465	179	1,332	230	326	1,888
WET CRASHES	436	500	202	1,138	249	375	1,762
PERCENT FATAL CRASHES	0.93%	1.00%	0.71%	0.92%	0.68%	0.44%	0.78%
PERCENT NON-FATAL INJURY CRASHES	33.76%	28.42%	28.96%	30.58%	24.92%	24.55%	28.34%
PERCENT NIGHT CRASHES	23.80%	14.54%	12.70%	17.76%	12.12%	11.96%	15.58%
PERCENT WET CRASHES	15.08%	15.63%	14.34%	15.18%	13.12%	13.76%	14.54%
MILES OF ROAD	237	1,265	1,105	2,607	4,285	21,542	28,434
AVERAGE DAILY TRAFFIC	75,600	18,200	11,600	20,600	4,900	1,000	3,400
TRAVEL (100MVM) (1)	196.19	252.36	140.28	588.83	230.79	235.88	1,055.50
TOTAL CRASH RATE (2)	14.74	12.67	10.04	12.73	8.22	11.55	11.48
FATAL CRASH RATE (2)	0.14	0.13	0.07	0.12	0.06	0.05	0.09
NON-FATAL INJURY CRASH RATE (2)	4.97	3.60	2.91	3.89	2.05	2.84	3.25
NIGHT CRASH RATE (2)	3.51	1.84	1.28	2.26	1.00	1.38	1.79
WET CRASH RATE (2)	2.22	1.98	1.44	1.93	1.08	1.59	1.67
SEVERITY INDEX (3)	5.47	5.48	5.47	5.48	5.15	3.88	4.83

## ALL STATE HIGHWAYS

ITEMS	INTER-STATE	UNITED STATES	NORTH CAROLINA	PRIMARY	SECONDARY ROAD	NON-SYSTEM	TOTAL System
TOTAL CRASHES	6,368	6,281	3,569	16,218	3,932	2,725	22,875
FATAL CRASHES	84	137	98	319	49	12	380
NON-FATAL INJURY CRASHES	2,153	2,160	1,335	5,648	1,221	669	7,538
NIGHT CRASHES	1,776	1,157	643	3,576	649	326	4,551
WET CRASHES	1,001	988	550	2,539	523	375	3,437
PERCENT FATAL CRASHES	1.32%	2.18%	2.75%	1.97%	1.25%	0.44%	1.66%
PERCENT NON-FATAL INJURY CRASHES	33.81%	34.39%	37.41%	34.83%	31.05%	24.55%	32.95%
PERCENT NIGHT CRASHES	27.89%	18.42%	18.02%	22.05%	16.51%	11.96%	19.90%
PERCENT WET CRASHES	15.72%	15.73%	15.41%	15.66%	13.30%	13.76%	15.03%
MILES OF ROAD	1,038	5,476	8,008	14,522	63,766	21,542	99,830
AVERAGE DAILY TRAFFIC	47,900	11,400	5,200	10,600	900	1,000	2,300
TRAVEL (100MVM) (1)	544.40	681.73	460.25	1,686.38	639.29	235.88	2,561.56
TOTAL CRASH RATE (2)	11.70	9.21	7.75	9.62	6.15	11.55	8.93
FATAL CRASH RATE (2)	0.15	0.20	0.21	0.19	0.08	0.05	0.15
NON-FATAL INJURY CRASH RATE (2)	3.95	3.17	2.90	3.35	1.91	2.84	2.94
NIGHT CRASH RATE (2)	3.26	1.70	1.40	2.12	1.02	1.38	1.78
WET CRASH RATE (2)	1.84	1.45	1.20	1.51	0.82	1.59	1.34
SEVERITY INDEX (3)	6.14	7.87	8.77	7.34	6.77	3.88	6.53

(1) ESTIMATED VALUE

(2) ACCIDENT RATES ARE IN ACCIDENTS PER 100 MILLION VEHICLE MILES OF TRAVEL

(3) SEVERITY INDEX = (76.8\*(F+A) + 8.4\*(B+C) + PDO) / TOTAL CRASHES

**1999-2001 Three Year Truck Crash Rates  
By Road System, Type and Control  
Crash Rate per 100 Million Vehicle Miles Traveled**

**RURAL INTERSTATE ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED						
3 LANES UNDIVIDED						
4 OR MORE LANES UNDIVIDED						
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS						
PARTIAL CONTROL ACCESS						
FULL CONTROL ACCESS	<b>801</b>	<b>9.99</b>	<b>0.16</b>	<b>3.38</b>	<b>3.12</b>	<b>1.62</b>
<b>TOTAL</b>	<b>801</b>	<b>9.99</b>	<b>0.16</b>	<b>3.38</b>	<b>3.12</b>	<b>1.62</b>

**URBAN INTERSTATE ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED						
3 LANES UNDIVIDED						
4 OR MORE LANES UNDIVIDED						
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS						
PARTIAL CONTROL ACCESS						
FULL CONTROL ACCESS	<b>237</b>	<b>14.74</b>	<b>0.14</b>	<b>4.97</b>	<b>3.51</b>	<b>2.22</b>
<b>TOTAL</b>	<b>237</b>	<b>14.74</b>	<b>0.14</b>	<b>4.97</b>	<b>3.51</b>	<b>2.22</b>

**ALL INTERSTATE ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED						
3 LANES UNDIVIDED						
4 OR MORE LANES UNDIVIDED						
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS						
PARTIAL CONTROL ACCESS						
FULL CONTROL ACCESS	<b>1,038</b>	<b>11.70</b>	<b>0.15</b>	<b>3.95</b>	<b>3.26</b>	<b>1.84</b>
<b>TOTAL</b>	<b>1,038</b>	<b>11.70</b>	<b>0.15</b>	<b>3.95</b>	<b>3.26</b>	<b>1.84</b>

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES



**1999-2001 Three Year Truck Crash Rates  
By Road System, Type and Control  
Crash Rate per 100 Million Vehicle Miles Traveled**

**RURAL UNITED STATES ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	2,664	9.31	0.35	3.87	1.88	1.40
3 LANES UNDIVIDED*	16	3.39	0.00	1.70	0.00	1.13
4 OR MORE LANES UNDIVIDED*	77	9.74	0.10	4.44	2.02	1.35
4+ LANES CONT. LEFT TURN LANE	177	5.03	0.19	2.08	1.15	0.96
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	588	7.79	0.23	3.14	1.79	1.10
PARTIAL CONTROL ACCESS	315	4.92	0.19	1.74	1.11	0.95
FULL CONTROL ACCESS	374	4.13	0.13	1.59	1.33	0.80
<b>TOTAL</b>	<b>4,211</b>	<b>7.18</b>	<b>0.24</b>	<b>2.91</b>	<b>1.61</b>	<b>1.14</b>

**URBAN UNITED STATES ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	495	11.87	0.13	3.49	1.78	2.02
3 LANES UNDIVIDED*	5	17.23	0.00	3.45	1.72	3.45
4 OR MORE LANES UNDIVIDED	121	22.24	0.22	6.24	2.83	3.68
4+ LANES CONT. LEFT TURN LANE	244	8.21	0.13	2.51	1.18	1.21
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	190	17.04	0.13	4.64	2.49	2.49
PARTIAL CONTROL ACCESS	112	12.19	0.06	3.30	1.59	1.70
FULL CONTROL ACCESS	98	8.83	0.13	2.61	1.64	1.59
<b>TOTAL</b>	<b>1,265</b>	<b>12.67</b>	<b>0.13</b>	<b>3.60</b>	<b>1.84</b>	<b>1.98</b>

**ALL UNITED STATES ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	3,159	9.88	0.30	3.79	1.86	1.54
3 LANES UNDIVIDED*	21	6.81	0.00	2.13	0.43	1.70
4 OR MORE LANES UNDIVIDED	198	18.27	0.18	5.67	2.57	2.94
4+ LANES CONT. LEFT TURN LANE	421	7.06	0.15	2.36	1.17	1.12
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	778	11.10	0.19	3.68	2.04	1.60
PARTIAL CONTROL ACCESS	427	7.84	0.14	2.36	1.30	1.26
FULL CONTROL ACCESS	472	5.72	0.13	1.94	1.44	1.06
<b>TOTAL</b>	<b>5,476</b>	<b>9.21</b>	<b>0.20</b>	<b>3.17</b>	<b>1.70</b>	<b>1.45</b>

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES  
\* RATES ARE NOT STATISTICALLY SIGNIFICANT

**1999-2001 Three Year Truck Crash Rates  
By Road System, Type and Control  
Crash Rate per 100 Million Vehicle Miles Traveled**

**RURAL NORTH CAROLINA ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	6,605	7.06	0.29	3.03	1.51	1.12
3 LANES UNDIVIDED*	19	18.93	1.46	9.47	3.64	5.10
4 OR MORE LANES UNDIVIDED*	41	8.60	0.22	3.09	2.87	1.54
4+ LANES CONT. LEFT TURN LANE*	84.0	3.92	0.08	1.72	1.06	0.98
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS*	104	5.74	0.20	2.51	1.12	0.79
PARTIAL CONTROL ACCESS*	19	3.33	0.00	1.39	0.56	0.28
FULL CONTROL ACCESS*	31	0.85	0.00	0.48	0.00	0.12
<b>TOTAL</b>	<b>6,903</b>	<b>6.75</b>	<b>0.28</b>	<b>2.90</b>	<b>1.45</b>	<b>1.09</b>

**URBAN NORTH CAROLINA ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	786	10.11	0.10	2.92	1.28	1.34
3 LANES UNDIVIDED*	6	12.90	0.00	2.58	1.29	1.29
4 OR MORE LANES UNDIVIDED*	101	14.99	0.06	4.58	1.89	1.95
4+ LANES CONT. LEFT TURN LANE*	94	5.01	0.00	1.47	0.61	1.01
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	89	13.15	0.08	3.75	1.81	2.02
PARTIAL CONTROL ACCESS*	18	4.53	0.00	1.22	0.35	0.70
FULL CONTROL ACCESS*	11	2.73	0.00	0.58	0.19	0.78
<b>TOTAL</b>	<b>1,105</b>	<b>10.04</b>	<b>0.07</b>	<b>2.91</b>	<b>1.28</b>	<b>1.44</b>

**ALL NORTH CAROLINA ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	7,391	7.66	0.26	3.01	1.46	1.16
3 LANES UNDIVIDED*	25	16.76	0.93	6.98	2.79	3.72
4 OR MORE LANES UNDIVIDED	142	13.68	0.09	4.27	2.09	1.86
4+ LANES CONT. LEFT TURN LANE	178	4.59	0.03	1.56	0.78	1.00
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	193	10.30	0.13	3.27	1.55	1.55
PARTIAL CONTROL ACCESS*	37	4.07	0.00	1.29	0.43	0.54
FULL CONTROL ACCESS*	42	1.57	0.00	0.52	0.07	0.37
<b>TOTAL</b>	<b>8,008</b>	<b>7.75</b>	<b>0.21</b>	<b>2.90</b>	<b>1.40</b>	<b>1.20</b>

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES  
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**1999-2001 Three Year Truck Crash Rates  
By Road System, Type and Control  
Crash Rate per 100 Million Vehicle Miles Traveled**

**RURAL PRIMARY ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	9,269	7.89	0.31	3.34	1.64	1.22
3 LANES UNDIVIDED*	35	10.18	0.64	5.09	1.59	2.86
4 OR MORE LANES UNDIVIDED*	118	9.39	0.13	4.03	2.28	1.41
4+ LANES CONT. LEFT TURN LANE	261	4.72	0.16	1.98	1.13	0.97
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	692	7.51	0.22	3.05	1.70	1.06
PARTIAL CONTROL ACCESS	334	4.82	0.18	1.71	1.07	0.91
FULL CONTROL ACCESS	1,206	8.78	0.15	3.01	2.75	1.45
<b>TOTAL</b>	<b>11,915</b>	<b>7.94</b>	<b>0.23</b>	<b>3.06</b>	<b>2.04</b>	<b>1.28</b>

**URBAN PRIMARY ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	1,281	10.83	0.11	3.15	1.48	1.62
3 LANES UNDIVIDED*	11	14.75	0.00	2.95	1.48	2.21
4 OR MORE LANES UNDIVIDED	222	19.05	0.15	5.51	2.42	2.92
4+ LANES CONT. LEFT TURN LANE	338	7.37	0.09	2.24	1.03	1.16
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	279	15.83	0.12	4.36	2.28	2.34
PARTIAL CONTROL ACCESS	130	11.12	0.05	3.00	1.42	1.56
FULL CONTROL ACCESS	346	13.52	0.13	4.50	3.13	2.09
<b>TOTAL</b>	<b>2,607</b>	<b>12.73</b>	<b>0.12</b>	<b>3.89</b>	<b>2.26</b>	<b>1.93</b>

**ALL PRIMARY ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	10,550	8.50	0.27	3.30	1.61	1.31
3 LANES UNDIVIDED*	46	11.56	0.44	4.45	1.56	2.67
4 OR MORE LANES UNDIVIDED	340	16.42	0.15	5.11	2.38	2.51
4+ LANES CONT. LEFT TURN LANE	599	6.40	0.12	2.14	1.06	1.09
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	971	10.93	0.18	3.59	1.94	1.59
PARTIAL CONTROL ACCESS	464	7.48	0.12	2.26	1.22	1.19
FULL CONTROL ACCESS	1,552	10.47	0.15	3.54	2.89	1.68
<b>TOTAL</b>	<b>14,522</b>	<b>9.62</b>	<b>0.19</b>	<b>3.35</b>	<b>2.12</b>	<b>1.51</b>

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES  
\* RATES ARE NOT STATISTICALLY SIGNIFICANT

**1999-2001 Three Year Truck Crash Rates  
By Road System, Type and Control  
Crash Rate per 100 Million Vehicle Miles Traveled**

**RURAL SECONDARY ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	59,355	5.00	0.09	1.84	1.04	0.67
3 LANES UNDIVIDED*	5	10.34	0.00	3.45	3.45	0.00
4 OR MORE LANES UNDIVIDED*	39	9.06	0.00	4.53	1.76	1.01
4+ LANES CONT. LEFT TURN LANE*	26	2.93	0.00	0.33	0.00	0.00
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS*	45	4.27	0.00	1.07	0.76	1.07
PARTIAL CONTROL ACCESS*	4	3.82	0.00	1.64	0.00	0.00
FULL CONTROL ACCESS*	7	0.00	0.00	0.00	0.00	0.00
<b>TOTAL</b>	<b>59,481</b>	<b>4.98</b>	<b>0.09</b>	<b>1.83</b>	<b>1.03</b>	<b>0.67</b>

**URBAN SECONDARY ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	3,799	9.95	0.07	2.45	1.17	1.32
3 LANES UNDIVIDED*	22	5.83	0.00	0.73	0.36	0.36
4 OR MORE LANES UNDIVIDED	211	8.57	0.06	2.16	1.13	1.13
4+ LANES CONT. LEFT TURN LANE	140	4.13	0.04	1.09	0.56	0.49
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS*	68	5.84	0.00	1.48	0.77	0.84
PARTIAL CONTROL ACCESS*	32	2.48	0.00	0.79	0.30	0.20
FULL CONTROL ACCESS*	13	0.46	0.00	0.23	0.23	0.23
<b>TOTAL</b>	<b>4,285</b>	<b>8.22</b>	<b>0.06</b>	<b>2.05</b>	<b>1.00</b>	<b>1.08</b>

**ALL SECONDARY ROUTES**

<b>ROAD TYPE</b>	<b>SYSTEM MILES</b>	<b>TOTAL</b>	<b>FATAL</b>	<b>NON-FATAL INJURY</b>	<b>NIGHT</b>	<b>WET</b>
2 LANES UNDIVIDED	63,154	6.29	0.09	2.00	1.07	0.84
3 LANES UNDIVIDED*	27	6.26	0.00	0.99	0.66	0.33
4 OR MORE LANES UNDIVIDED	250	8.62	0.05	2.41	1.19	1.11
4+ LANES CONT. LEFT TURN LANE	166	4.01	0.03	1.02	0.51	0.45
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	113	5.34	0.00	1.35	0.77	0.91
PARTIAL CONTROL ACCESS*	36	2.68	0.00	0.92	0.25	0.17
FULL CONTROL ACCESS*	20	0.28	0.00	0.14	0.14	0.14
<b>TOTAL</b>	<b>63,766</b>	<b>6.15</b>	<b>0.08</b>	<b>1.91</b>	<b>1.02</b>	<b>0.82</b>

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES  
\* RATES ARE NOT STATISTICALLY SIGNIFICANT