

STANDARD

North Carolina Department of Transportation
Traffic Engineering and Safety Systems Branch
Traffic Safety Systems Management Unit
2001-2003 Three Year Crash Rates

ITEMS	RURAL STATE HIGHWAYS					
	INTER-STATE	UNITED STATES	NORTH CAROLINA	PRIMARY	SECONDARY ROAD	TOTAL RURAL
TOTAL CRASHES	25,465	58,332	58,673	142,470	142,811	285,281
FATAL CRASHES	221	692	715	1,628	1,453	3,081
NON-FATAL INJURY CRASHES	7,801	23,345	23,418	54,564	53,936	108,500
NIGHT CRASHES	7,655	17,336	19,507	44,498	56,621	101,119
WET CRASHES	6,247	11,685	10,666	28,598	25,726	54,324
PERCENT FATAL CRASHES	0.87%	1.19%	1.22%	1.14%	1.02%	1.08%
PERCENT NON-FATAL INJURY CRASHES	30.63%	40.02%	39.91%	38.30%	37.77%	38.03%
PERCENT NIGHT CRASHES	30.06%	29.72%	33.25%	31.23%	39.65%	35.45%
PERCENT WET CRASHES	24.53%	20.03%	18.18%	20.07%	18.01%	19.04%
MILES OF ROAD	801	4,229	6,925	11,955	59,550	71,505
AVERAGE DAILY TRAFFIC	39,800	9,500	4,400	8,500	600	2,000
TRAVEL (100MM) (1)	349.08	438.40	330.71	1,118.19	409.71	1,527.90
TOTAL CRASH RATE (2)	72.95	133.06	177.42	127.41	348.57	186.71
FATAL CRASH RATE (2)	0.63	1.58	2.16	1.46	3.55	2.02
NON-FATAL INJURY CRASH RATE (2)	22.35	53.25	70.81	48.80	131.64	71.01
NIGHT CRASH RATE (2)	21.93	39.54	58.99	39.79	138.20	66.18
WET CRASH RATE (2)	17.90	26.65	32.25	25.58	62.79	35.55
SEVERITY INDEX (3)	5.16	6.66	6.88	6.49	6.58	6.53

ITEMS	URBAN STATE HIGHWAYS						
	INTER-STATE	UNITED STATES	NORTH CAROLINA	PRIMARY	SECONDARY ROAD	NON-SYSTEM	TOTAL URBAN
TOTAL CRASHES	26,422	91,630	53,510	171,562	99,061	109,303	379,926
FATAL CRASHES	99	277	162	538	252	235	1,025
NON-FATAL INJURY CRASHES	8,280	31,314	18,350	57,944	32,318	35,430	125,692
NIGHT CRASHES	6,454	18,688	10,699	35,841	21,636	23,434	80,911
WET CRASHES	6,162	17,306	9,721	33,189	18,191	19,226	70,606
PERCENT FATAL CRASHES	0.37%	0.30%	0.30%	0.31%	0.25%	0.22%	0.27%
PERCENT NON-FATAL INJURY CRASHES	31.34%	34.17%	34.29%	33.77%	32.62%	32.41%	33.08%
PERCENT NIGHT CRASHES	24.43%	20.40%	19.99%	20.89%	21.84%	21.44%	21.30%
PERCENT WET CRASHES	23.32%	18.89%	18.17%	19.35%	18.36%	17.59%	18.58%
MILES OF ROAD	237	1,278	1,113	2,628	4,306	23,224	30,158
AVERAGE DAILY TRAFFIC	76,300	18,400	11,600	20,700	5,000	1,000	3,300
TRAVEL (100MM) (1)	198.01	258.15	140.86	597.02	233.56	254.30	1,084.89
TOTAL CRASH RATE (2)	133.44	354.95	379.87	287.36	424.13	429.81	350.20
FATAL CRASH RATE (2)	0.50	1.07	1.15	0.90	1.08	0.93	0.95
NON-FATAL INJURY CRASH RATE (2)	41.82	121.30	130.27	97.05	138.37	139.32	115.86
NIGHT CRASH RATE (2)	32.59	72.39	75.95	60.03	92.63	92.15	74.58
WET CRASH RATE (2)	31.12	67.04	69.01	55.59	77.88	75.60	65.08
SEVERITY INDEX (3)	4.20	4.44	4.50	4.42	4.31	4.22	4.32

ITEMS	ALL STATE HIGHWAYS						
	INTER-STATE	UNITED STATES	NORTH CAROLINA	PRIMARY	SECONDARY ROAD	NON-SYSTEM	TOTAL System
TOTAL CRASHES	51,887	149,962	112,183	314,032	241,872	109,303	665,207
FATAL CRASHES	320	969	877	2,166	1,705	235	4,106
NON-FATAL INJURY CRASHES	16,081	54,659	41,768	112,508	86,254	35,430	234,192
NIGHT CRASHES	14,109	36,024	30,206	80,339	78,257	23,434	182,030
WET CRASHES	12,409	28,991	20,387	61,787	43,917	19,226	124,930
PERCENT FATAL CRASHES	0.62%	0.65%	0.78%	0.69%	0.70%	0.22%	0.62%
PERCENT NON-FATAL INJURY CRASHES	30.99%	36.45%	37.23%	35.83%	35.66%	32.41%	35.21%
PERCENT NIGHT CRASHES	27.19%	24.02%	26.93%	25.58%	32.35%	21.44%	27.36%
PERCENT WET CRASHES	23.92%	19.33%	18.17%	19.68%	18.16%	17.59%	18.78%
MILES OF ROAD	1,038	5,507	8,038	14,583	63,856	23,224	101,663
AVERAGE DAILY TRAFFIC	48,100	11,600	5,400	10,700	900	1,000	2,300
TRAVEL (100MM) (1)	547.09	696.55	471.57	1,715.22	643.27	254.30	2,612.79
TOTAL CRASH RATE (2)	94.84	215.29	237.89	183.09	376.00	429.81	254.60
FATAL CRASH RATE (2)	0.58	1.39	1.86	1.26	2.65	0.93	1.57
NON-FATAL INJURY CRASH RATE (2)	29.39	78.47	88.57	65.59	134.09	139.32	89.63
NIGHT CRASH RATE (2)	25.79	51.72	64.05	46.84	121.65	92.15	69.67
WET CRASH RATE (2)	22.68	41.62	43.23	36.02	68.27	75.60	47.81
SEVERITY INDEX (3)	4.63	5.29	5.77	5.34	5.74	4.22	5.20

(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

**2001-2003 Three Year Crash Rates
By Road System, Type and Control
Crash Rate per 100 Million Vehicle Miles Traveled**

RURAL INTERSTATE ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
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	801	72.95	0.63	22.35	21.93	17.90
TOTAL	801	72.95	0.63	22.35	21.93	17.90

URBAN INTERSTATE ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
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	237	133.44	0.50	41.82	32.59	31.12
TOTAL	237	133.44	0.50	41.82	32.59	31.12

ALL INTERSTATE ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
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	1,038	94.84	0.58	29.39	25.79	22.68
TOTAL	1,038	94.84	0.58	29.39	25.79	22.68

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES

**2001-2003 Three Year Crash Rates
By Road System, Type and Control
Crash Rate per 100 Million Vehicle Miles Traveled**

RURAL UNITED STATES ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	2,664	171.66	2.24	71.63	52.25	33.23
2 LANES CONT. LEFT TURN LANE*	14	194.58	2.23	71.92	57.43	37.35
3 LANES UNDIVIDED*	16	157.23	3.23	69.46	44.69	31.77
4 OR MORE LANES UNDIVIDED	70	125.46	1.57	51.20	32.76	25.80
4+ LANES CONT. LEFT TURN LANE	180	147.26	1.49	61.42	37.10	27.94
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	594	137.56	1.38	53.88	39.11	26.33
PARTIAL CONTROL ACCESS	317	86.37	1.01	34.11	26.81	17.72
FULL CONTROL ACCESS	374	71.87	0.83	23.38	23.76	18.71
TOTAL	4,229	133.06	1.58	53.25	39.54	26.65

URBAN UNITED STATES ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	494	323.56	0.98	113.14	62.09	59.64
2 LANES CONT. LEFT TURN LANE*	9	475.54	1.72	156.51	86.85	82.55
3 LANES UNDIVIDED*	5	681.09	1.71	240.69	138.27	112.66
4 OR MORE LANES UNDIVIDED	119	557.83	1.35	201.74	104.64	101.44
4+ LANES CONT. LEFT TURN LANE	249	437.13	1.47	156.24	88.32	83.48
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	192	424.41	1.00	135.63	90.35	78.45
PARTIAL CONTROL ACCESS	112	249.24	0.73	82.52	51.70	48.08
FULL CONTROL ACCESS	98	152.63	0.84	48.66	36.13	33.25
TOTAL	1,278	354.95	1.07	121.30	72.39	67.04

ALL UNITED STATES ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	3,158	205.50	1.96	80.88	54.44	39.11
2 LANES CONT. LEFT TURN LANE*	23	305.09	2.03	105.19	69.00	32.47
3 LANES UNDIVIDED*	21	282.86	2.87	110.52	67.13	51.17
4 OR MORE LANES UNDIVIDED	189	421.56	1.42	154.30	81.99	77.60
4+ LANES CONT. LEFT TURN LANE	429	334.18	1.48	122.57	70.13	63.75
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	786	237.66	1.25	82.41	56.99	44.52
PARTIAL CONTROL ACCESS	429	152.35	0.90	53.72	36.89	30.02
FULL CONTROL ACCESS	472	99.50	0.83	32.03	27.99	23.68
TOTAL	5,507	215.29	1.39	78.47	51.72	41.62

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

**2001-2003 Three Year Crash Rates
By Road System, Type and Control
Crash Rate per 100 Million Vehicle Miles Traveled**

RURAL NORTH CAROLINA ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	6,605	184.65	2.31	73.77	62.66	33.28
2 LANES CONT. LEFT TURN LANE*	15	164.33	1.08	67.35	49.57	32.33
3 LANES UNDIVIDED*	19	212.97	1.48	79.12	44.37	42.15
4 OR MORE LANES UNDIVIDED*	42	227.77	2.15	80.73	61.14	42.20
4+ LANES CONT. LEFT TURN LANE	86.0	137.82	1.73	55.58	39.77	27.34
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	108	152.84	1.21	62.88	41.64	30.01
PARTIAL CONTROL ACCESS*	19	130.03	1.39	50.01	44.73	22.23
FULL CONTROL ACCESS	31	28.97	0.24	11.86	6.60	6.36
TOTAL	6,925	177.42	2.16	70.81	58.99	32.25

URBAN NORTH CAROLINA ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	788	345.41	1.20	118.77	70.09	59.98
2 LANES CONT. LEFT TURN LANE*	3	494.67	0.00	174.40	107.81	88.79
3 LANES UNDIVIDED*	6	527.25	1.22	181.43	119.33	87.67
4 OR MORE LANES UNDIVIDED	103	453.48	1.23	160.61	86.20	84.46
4+ LANES CONT. LEFT TURN LANE	95	345.48	0.88	120.85	62.98	63.96
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	89	521.54	1.28	173.24	107.91	99.05
PARTIAL CONTROL ACCESS	18	265.88	1.41	88.92	55.16	50.03
FULL CONTROL ACCESS*	11	140.53	0.38	45.51	32.37	28.56
TOTAL	1,113	379.87	1.15	130.27	75.95	69.01

ALL NORTH CAROLINA ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	7,393	215.30	2.10	82.35	64.07	38.37
2 LANES CONT. LEFT TURN LANE*	18	212.31	0.92	82.90	58.03	40.53
3 LANES UNDIVIDED*	25	331.71	1.38	117.78	72.69	59.35
4 OR MORE LANES UNDIVIDED	145	406.81	1.42	144.09	81.01	75.72
4+ LANES CONT. LEFT TURN LANE	181	263.58	1.22	95.11	53.82	49.51
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	197	376.19	1.25	129.73	81.78	71.83
PARTIAL CONTROL ACCESS	37	213.05	1.40	73.79	51.10	39.22
FULL CONTROL ACCESS	42	72.59	0.30	25.01	16.68	15.04
TOTAL	8,038	237.89	1.86	88.57	64.05	43.23

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES
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**2001-2003 Three Year Crash Rates
By Road System, Type and Control
Crash Rate per 100 Million Vehicle Miles Traveled**

RURAL PRIMARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	9,269	179.94	2.29	72.99	58.88	33.26
2 LANES CONT. LEFT TURN LANE*	29	179.20	1.64	69.60	53.43	34.80
3 LANES UNDIVIDED*	35	180.72	2.49	73.53	44.56	36.14
4 OR MORE LANES UNDIVIDED	112	157.49	1.75	60.45	41.65	30.93
4+ LANES CONT. LEFT TURN LANE	266	144.46	1.56	59.69	37.89	27.76
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	702	139.59	1.36	55.07	39.44	26.82
PARTIAL CONTROL ACCESS	336	89.17	1.04	35.13	27.96	18.01
FULL CONTROL ACCESS	1,206	71.93	0.66	22.33	21.97	17.82
TOTAL	11,955	127.41	1.46	48.80	39.79	25.58

URBAN PRIMARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	1,282	336.47	1.11	116.47	66.82	59.84
2 LANES CONT. LEFT TURN LANE*	12	479.62	1.35	160.32	91.32	83.88
3 LANES UNDIVIDED*	11	591.30	1.42	206.10	127.21	98.08
4 OR MORE LANES UNDIVIDED	222	511.31	1.30	183.40	96.42	93.87
4+ LANES CONT. LEFT TURN LANE	344	413.06	1.31	146.95	81.67	78.36
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	281	454.03	1.09	147.10	95.71	84.73
PARTIAL CONTROL ACCESS	130	251.52	0.82	83.40	52.17	48.35
FULL CONTROL ACCESS	346	136.76	0.55	43.03	33.17	31.42
TOTAL	2,628	287.36	0.90	97.05	60.03	55.59

ALL PRIMARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	10,551	211.65	2.05	81.80	60.49	38.64
2 LANES CONT. LEFT TURN LANE*	41	265.80	1.56	95.75	64.35	48.95
3 LANES UNDIVIDED*	46	305.86	2.17	113.94	69.75	55.02
4 OR MORE LANES UNDIVIDED	334	415.52	1.42	150.11	81.59	76.83
4+ LANES CONT. LEFT TURN LANE	610	314.77	1.40	115.02	65.65	59.84
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	983	265.61	1.25	91.96	61.99	50.03
PARTIAL CONTROL ACCESS	466	158.12	0.94	55.63	38.24	30.90
FULL CONTROL ACCESS	1,552	95.21	0.62	29.76	25.99	22.70
TOTAL	14,583	183.09	1.26	65.59	46.84	36.02

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES
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**2001-2003 Three Year Crash Rates
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RURAL SECONDARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	59,417	355.13	3.69	134.43	142.41	63.72
2 LANES CONT. LEFT TURN LANE*	7	328.49	0.00	58.24	72.22	48.92
3 LANES UNDIVIDED*	5	86.15	0.00	34.46	24.12	27.57
4 OR MORE LANES UNDIVIDED*	40	356.95	0.98	130.11	95.01	73.40
4+ LANES CONT. LEFT TURN LANE*	26	352.22	1.30	132.04	86.51	73.83
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	44	131.60	0.29	43.57	27.53	26.20
PARTIAL CONTROL ACCESS*	4	248.23	0.54	86.69	56.54	47.39
FULL CONTROL ACCESS*	7	43.25	0.00	11.34	15.60	10.99
TOTAL	59,550	348.57	3.55	131.64	138.20	62.79

URBAN SECONDARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	3,801	407.28	1.17	131.79	91.95	71.95
2 LANES CONT. LEFT TURN LANE*	15	634.34	0.58	197.14	123.51	117.71
3 LANES UNDIVIDED*	23	564.39	0.71	176.55	108.48	93.24
4 OR MORE LANES UNDIVIDED	213	518.50	1.19	176.05	105.36	100.55
4+ LANES CONT. LEFT TURN LANE	139	533.25	1.18	168.99	114.17	100.71
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	69	318.13	0.55	107.39	63.23	63.16
PARTIAL CONTROL ACCESS	32	227.03	0.49	78.92	55.60	43.89
FULL CONTROL ACCESS*	14	162.31	0.22	49.86	40.41	43.93
TOTAL	4,306	424.13	1.08	138.37	92.63	77.88

ALL SECONDARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	63,218	368.70	3.04	133.74	129.28	65.86
2 LANES CONT. LEFT TURN LANE*	22	573.39	0.46	169.46	113.28	104.00
3 LANES UNDIVIDED*	28	519.79	0.64	163.30	100.61	87.11
4 OR MORE LANES UNDIVIDED	253	501.45	1.17	171.20	104.27	97.69
4+ LANES CONT. LEFT TURN LANE	165	515.26	1.20	165.32	111.42	98.03
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	113	258.85	0.47	87.11	51.88	51.41
PARTIAL CONTROL ACCESS	36	230.31	0.50	80.13	55.75	44.43
FULL CONTROL ACCESS	21	116.77	0.14	35.12	30.92	31.33
TOTAL	63,856	376.00	2.65	134.09	121.65	68.27

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES
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 2001-2003 Three Year Truck Crash Rates

ITEMS	RURAL STATE HIGHWAYS					
	INTER-STATE	UNITED STATES	NORTH CAROLINA	PRIMARY	SECONDARY ROAD	TOTAL RURAL
TOTAL CRASHES	3,581	3,144	1,988	8,713	1,933	10,646
FATAL CRASHES	63	112	54	229	28	257
NON-FATAL INJURY CRASHES	1,069	1,183	844	3,096	694	3,790
NIGHT CRASHES	1,126	674	402	2,202	396	2,598
WET CRASHES	652	556	328	1,536	291	1,827
PERCENT FATAL CRASHES	1.76%	3.56%	2.72%	2.63%	1.45%	2.41%
PERCENT NON-FATAL INJURY CRASHES	29.85%	37.63%	42.45%	35.53%	35.90%	35.60%
PERCENT NIGHT CRASHES	31.44%	21.44%	20.22%	25.27%	20.49%	24.40%
PERCENT WET CRASHES	18.21%	17.68%	16.50%	17.63%	15.05%	17.16%
MILES OF ROAD	801	4,229	6,925	11,955	59,550	71,505
AVERAGE DAILY TRAFFIC	39,800	9,500	4,400	8,500	600	2,000
TRAVEL (100MVM) (1)	349.08	438.40	330.71	1,118.19	409.71	1,527.90
TOTAL CRASH RATE (2)	10.26	7.17	6.01	7.79	4.72	6.97
FATAL CRASH RATE (2)	0.18	0.26	0.16	0.20	0.07	0.17
NON-FATAL INJURY CRASH RATE (2)	3.06	2.70	2.55	2.77	1.69	2.48
NIGHT CRASH RATE (2)	3.23	1.54	1.22	1.97	0.97	1.70
WET CRASH RATE (2)	1.87	1.27	0.99	1.37	0.71	1.20
SEVERITY INDEX (3)	5.82	9.18	9.84	7.98	6.78	7.76

ITEMS	URBAN STATE HIGHWAYS						
	INTER-STATE	UNITED STATES	NORTH CAROLINA	PRIMARY	SECONDARY ROAD	NON-SYSTEM	TOTAL URBAN
TOTAL CRASHES	3,017	3,230	1,471	7,718	1,880	2,130	11,728
FATAL CRASHES	25	31	8	64	12	9	85
NON-FATAL INJURY CRASHES	938	870	426	2,234	432	449	3,115
NIGHT CRASHES	738	493	176	1,407	230	266	1,903
WET CRASHES	526	540	215	1,281	273	280	1,834
PERCENT FATAL CRASHES	0.83%	0.96%	0.54%	0.83%	0.64%	0.43%	0.73%
PERCENT NON-FATAL INJURY CRASHES	31.09%	26.93%	28.96%	28.95%	22.98%	21.09%	26.56%
PERCENT NIGHT CRASHES	24.46%	15.26%	11.96%	18.23%	12.23%	12.50%	16.23%
PERCENT WET CRASHES	17.43%	16.72%	14.62%	16.60%	14.52%	13.14%	15.64%
MILES OF ROAD	237	1,278	1,113	2,628	4,306	23,224	30,158
AVERAGE DAILY TRAFFIC	76,300	18,400	11,600	20,700	5,000	1,000	3,300
TRAVEL (100MVM) (1)	198.01	258.15	140.86	597.02	233.56	254.30	1,084.89
TOTAL CRASH RATE (2)	15.24	12.51	10.44	12.93	8.05	8.38	10.81
FATAL CRASH RATE (2)	0.13	0.12	0.06	0.11	0.05	0.04	0.08
NON-FATAL INJURY CRASH RATE (2)	4.74	3.37	3.02	3.74	1.85	1.77	2.87
NIGHT CRASH RATE (2)	3.73	1.91	1.25	2.36	0.98	1.05	1.75
WET CRASH RATE (2)	2.66	2.09	1.53	2.15	1.17	1.10	1.69
SEVERITY INDEX (3)	4.74	4.65	4.60	4.68	4.38	3.34	4.30

ITEMS	ALL STATE HIGHWAYS						
	INTER-STATE	UNITED STATES	NORTH CAROLINA	PRIMARY	SECONDARY ROAD	NON-SYSTEM	TOTAL System
TOTAL CRASHES	6,598	6,374	3,459	16,431	3,813	2,130	22,374
FATAL CRASHES	88	143	62	293	40	9	342
NON-FATAL INJURY CRASHES	2,007	2,053	1,270	5,330	1,126	449	6,905
NIGHT CRASHES	1,864	1,167	578	3,609	626	266	4,501
WET CRASHES	1,178	1,096	543	2,817	564	280	3,661
PERCENT FATAL CRASHES	1.33%	2.24%	1.79%	1.78%	1.05%	0.43%	1.53%
PERCENT NON-FATAL INJURY CRASHES	30.42%	32.21%	36.72%	32.44%	29.53%	21.09%	30.86%
PERCENT NIGHT CRASHES	28.25%	18.31%	16.71%	21.96%	16.42%	12.50%	20.12%
PERCENT WET CRASHES	17.85%	17.19%	15.70%	17.14%	14.79%	13.14%	16.36%
MILES OF ROAD	1,038	5,507	8,038	14,583	63,856	23,224	101,663
AVERAGE DAILY TRAFFIC	48,100	11,600	5,400	10,700	900	1,000	2,300
TRAVEL (100MVM) (1)	547.09	696.55	471.57	1,715.22	643.27	254.30	2,612.79
TOTAL CRASH RATE (2)	12.06	9.15	7.34	9.58	5.93	8.38	8.56
FATAL CRASH RATE (2)	0.16	0.21	0.13	0.17	0.06	0.04	0.13
NON-FATAL INJURY CRASH RATE (2)	3.67	2.95	2.69	3.11	1.75	1.77	2.64
NIGHT CRASH RATE (2)	3.41	1.68	1.23	2.10	0.97	1.05	1.72
WET CRASH RATE (2)	2.15	1.57	1.15	1.64	0.88	1.10	1.40
SEVERITY INDEX (3)	5.28	6.79	7.62	6.34	5.76	3.34	5.83

(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

**2001-2003 Three Year Truck Crash Rates
By Road System, Type and Control
Crash Rate per 100 Million Vehicle Miles Traveled**

RURAL INTERSTATE ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
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	801	10.26	0.18	3.06	3.23	1.87
TOTAL	801	10.26	0.18	3.06	3.23	1.87

URBAN INTERSTATE ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
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	237	15.24	0.13	4.74	3.73	2.66
TOTAL	237	15.24	0.13	4.74	3.73	2.66

ALL INTERSTATE ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
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	1,038	12.06	0.16	3.67	3.41	2.15
TOTAL	1,038	12.06	0.16	3.67	3.41	2.15

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES

**2001-2003 Three Year Truck Crash Rates
By Road System, Type and Control
Crash Rate per 100 Million Vehicle Miles Traveled**

RURAL UNITED STATES ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	2,664	8.98	0.41	3.42	1.81	1.56
2 LANES CONT. LEFT TURN LANE*	14	6.69	0.56	3.90	0.56	0.56
3 LANES UNDIVIDED*	16	6.46	0.00	2.15	1.62	2.15
4 OR MORE LANES UNDIVIDED	70	7.06	0.10	3.24	0.98	0.98
4+ LANES CONT. LEFT TURN LANE	180	6.56	0.19	2.70	1.43	1.14
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	594	7.34	0.22	2.64	1.41	1.23
PARTIAL CONTROL ACCESS	317	5.51	0.11	2.10	1.37	1.03
FULL CONTROL ACCESS	374	4.63	0.13	1.60	1.40	0.96
TOTAL	4,229	7.17	0.26	2.70	1.54	1.27

URBAN UNITED STATES ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	494	10.40	0.11	2.72	1.59	1.83
2 LANES CONT. LEFT TURN LANE*	9	15.48	0.00	4.30	1.72	1.72
3 LANES UNDIVIDED*	5	17.07	0.00	3.41	3.41	3.41
4 OR MORE LANES UNDIVIDED	119	15.85	0.14	4.06	2.17	2.39
4+ LANES CONT. LEFT TURN LANE	249	12.44	0.10	3.49	1.64	2.27
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	192	16.23	0.15	4.16	2.52	2.40
PARTIAL CONTROL ACCESS	112	11.85	0.03	3.36	1.82	2.10
FULL CONTROL ACCESS	98	8.55	0.20	2.46	1.74	1.54
TOTAL	1,278	12.51	0.12	3.37	1.91	2.09

ALL UNITED STATES ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	3,158	9.29	0.34	3.27	1.76	1.62
2 LANES CONT. LEFT TURN LANE*	23	10.15	0.34	4.06	1.01	1.01
3 LANES UNDIVIDED*	21	9.01	0.00	2.46	2.05	2.46
4 OR MORE LANES UNDIVIDED	189	13.08	0.12	3.80	1.79	1.95
4+ LANES CONT. LEFT TURN LANE	429	10.35	0.14	3.21	1.57	1.87
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	786	10.44	0.20	3.17	1.80	1.63
PARTIAL CONTROL ACCESS	429	8.08	0.08	2.61	1.56	1.46
FULL CONTROL ACCESS	472	5.97	0.15	1.90	1.51	1.16
TOTAL	5,507	9.15	0.21	2.95	1.68	1.57

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

**2001-2003 Three Year Truck Crash Rates
By Road System, Type and Control
Crash Rate per 100 Million Vehicle Miles Traveled**

RURAL NORTH CAROLINA ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	6,605	6.23	0.18	2.67	1.25	1.07
2 LANES CONT. LEFT TURN LANE*	15	2.69	0.00	1.08	0.54	0.00
3 LANES UNDIVIDED*	19	11.09	0.74	2.96	0.74	1.48
4 OR MORE LANES UNDIVIDED*	42	7.97	0.22	3.01	2.37	1.08
4+ LANES CONT. LEFT TURN LANE	86.0	4.90	0.08	1.36	1.21	1.05
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	108	5.21	0.06	2.35	1.02	0.32
PARTIAL CONTROL ACCESS*	19	5.00	0.00	2.78	1.11	0.28
FULL CONTROL ACCESS	31	1.22	0.00	0.61	0.00	0.00
TOTAL	6,925	6.01	0.16	2.55	1.22	0.99

URBAN NORTH CAROLINA ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	788	9.63	0.08	2.80	1.11	1.44
2 LANES CONT. LEFT TURN LANE*	3	12.68	0.00	3.17	0.00	0.00
3 LANES UNDIVIDED*	6	15.83	0.00	3.65	1.22	3.65
4 OR MORE LANES UNDIVIDED	103	11.73	0.06	3.82	1.12	1.63
4+ LANES CONT. LEFT TURN LANE	95	8.98	0.00	2.40	0.98	1.13
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	89	13.90	0.04	3.97	2.07	2.15
PARTIAL CONTROL ACCESS	18	11.49	0.18	3.71	1.59	1.06
FULL CONTROL ACCESS*	11	4.00	0.00	0.38	0.38	1.14
TOTAL	1,113	10.44	0.06	3.02	1.25	1.53

ALL NORTH CAROLINA ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	7,393	6.88	0.16	2.70	1.23	1.14
2 LANES CONT. LEFT TURN LANE*	18	4.14	0.00	1.38	0.46	0.00
3 LANES UNDIVIDED*	25	12.88	0.46	3.22	0.92	2.30
4 OR MORE LANES UNDIVIDED	145	10.95	0.09	3.65	1.38	1.51
4+ LANES CONT. LEFT TURN LANE	181	7.37	0.03	1.99	1.07	1.10
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	197	10.48	0.05	3.33	1.65	1.43
PARTIAL CONTROL ACCESS	37	8.97	0.11	3.35	1.40	0.76
FULL CONTROL ACCESS	42	2.31	0.00	0.52	0.15	0.45
TOTAL	8,038	7.34	0.13	2.69	1.23	1.15

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**2001-2003 Three Year Truck Crash Rates
By Road System, Type and Control
Crash Rate per 100 Million Vehicle Miles Traveled**

RURAL PRIMARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	9,269	7.22	0.26	2.94	1.45	1.25
2 LANES CONT. LEFT TURN LANE*	29	4.66	0.27	2.47	0.55	0.27
3 LANES UNDIVIDED*	35	8.41	0.31	2.49	1.25	1.87
4 OR MORE LANES UNDIVIDED	112	7.35	0.13	3.17	1.42	1.01
4+ LANES CONT. LEFT TURN LANE	266	6.07	0.16	2.30	1.36	1.12
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	702	7.06	0.20	2.60	1.36	1.11
PARTIAL CONTROL ACCESS	336	5.48	0.11	2.14	1.36	0.98
FULL CONTROL ACCESS	1,206	9.09	0.17	2.76	2.84	1.67
TOTAL	11,955	7.79	0.20	2.77	1.97	1.37

URBAN PRIMARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	1,282	9.94	0.09	2.77	1.31	1.60
2 LANES CONT. LEFT TURN LANE*	12	14.88	0.00	4.06	1.35	1.35
3 LANES UNDIVIDED*	11	16.35	0.00	3.55	2.13	3.55
4 OR MORE LANES UNDIVIDED	222	14.01	0.10	3.95	1.70	2.05
4+ LANES CONT. LEFT TURN LANE	344	11.53	0.08	3.21	1.47	1.97
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	281	15.52	0.11	4.10	2.38	2.32
PARTIAL CONTROL ACCESS	130	11.80	0.05	3.41	1.79	1.96
FULL CONTROL ACCESS	346	13.89	0.14	4.27	3.33	2.44
TOTAL	2,628	12.93	0.11	3.74	2.36	2.15

ALL PRIMARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	10,551	7.77	0.23	2.91	1.42	1.32
2 LANES CONT. LEFT TURN LANE*	41	7.61	0.20	2.93	0.78	0.59
3 LANES UNDIVIDED*	46	10.83	0.22	2.82	1.52	2.38
4 OR MORE LANES UNDIVIDED	334	12.21	0.11	3.74	1.62	1.77
4+ LANES CONT. LEFT TURN LANE	610	9.53	0.11	2.87	1.43	1.66
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	983	10.45	0.17	3.20	1.77	1.59
PARTIAL CONTROL ACCESS	466	8.17	0.08	2.68	1.54	1.40
FULL CONTROL ACCESS	1,552	10.81	0.16	3.30	3.01	1.95
TOTAL	14,583	9.58	0.17	3.11	2.10	1.64

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**2001-2003 Three Year Truck Crash Rates
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RURAL SECONDARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	59,417	4.76	0.07	1.72	0.98	0.69
2 LANES CONT. LEFT TURN LANE*	7	2.33	0.00	2.33	2.33	0.00
3 LANES UNDIVIDED*	5	0.00	0.00	0.00	0.00	0.00
4 OR MORE LANES UNDIVIDED*	40	7.36	0.00	2.70	1.96	2.45
4+ LANES CONT. LEFT TURN LANE*	26	3.25	0.00	0.65	0.33	1.30
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	44	3.68	0.00	1.03	0.59	0.88
PARTIAL CONTROL ACCESS*	4	2.69	0.00	1.08	0.00	0.00
FULL CONTROL ACCESS*	7	1.42	0.00	0.35	0.35	0.35
TOTAL	59,550	4.72	0.07	1.69	0.97	0.71

URBAN SECONDARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	3,801	7.93	0.06	1.81	0.93	1.12
2 LANES CONT. LEFT TURN LANE*	15	6.96	0.00	1.74	1.16	0.58
3 LANES UNDIVIDED*	23	10.64	0.00	2.48	0.71	2.13
4 OR MORE LANES UNDIVIDED	213	10.11	0.12	2.38	1.07	1.48
4+ LANES CONT. LEFT TURN LANE	139	9.33	0.00	2.15	1.36	1.36
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	69	6.17	0.00	1.17	1.03	1.30
PARTIAL CONTROL ACCESS	32	3.84	0.00	1.08	0.59	0.30
FULL CONTROL ACCESS*	14	2.42	0.00	0.66	0.44	0.22
TOTAL	4,306	8.05	0.05	1.85	0.98	1.17

ALL SECONDARY ROUTES

ROAD TYPE	SYSTEM MILES	TOTAL	FATAL	NON-FATAL INJURY	NIGHT	WET
2 LANES UNDIVIDED	63,218	5.58	0.07	1.74	0.96	0.80
2 LANES CONT. LEFT TURN LANE*	22	6.04	0.00	1.86	1.39	0.46
3 LANES UNDIVIDED*	28	9.64	0.00	2.25	0.64	1.93
4 OR MORE LANES UNDIVIDED	253	9.82	0.10	2.41	1.17	1.58
4+ LANES CONT. LEFT TURN LANE	165	8.73	0.00	2.00	1.26	1.36
4 OR MORE LANES DIVIDED WITH NO CONTROL ACCESS	113	5.38	0.00	1.12	0.89	1.17
PARTIAL CONTROL ACCESS	36	3.66	0.00	1.08	0.50	0.25
FULL CONTROL ACCESS	21	2.03	0.00	0.54	0.41	0.27
TOTAL	63,856	5.93	0.06	1.75	0.97	0.88

NOTE: INCLUDES ONLY ROUTE SEGMENTS WITH COMPUTERIZED TRAFFIC VOLUMES
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