

Stella Daniel



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
P.O. BOX 25201  
RALEIGH 27611-5201

JAMES G. MARTIN  
GOVERNOR

DIVISION OF HIGHWAYS

THOMAS J. HARRELSON  
SECRETARY

March 13, 1991

WILLIAM G. MARLEY, JR., P.E.  
STATE HIGHWAY ADMINISTRATOR

MEMORANDUM

TO: Area Traffic Engineers and Unit Heads  
FROM: J. F. Rosendahl *J F Rosendahl*  
Accident and Traffic Studies Engineer  
SUBJECT: Traffic Accident Rates by Road Types and Systems  
1990 and 1988 thru 1990

Attached for your information and use are various traffic accident rate tables for Rural and Municipal (Urban) route systems for 1990 and 1988 thru 1990. Accident Rates are in 100 million vehicle miles traveled for all vehicles. If you need other types of annual traffic accident data summaries to be included in these tables please advise.

- cc: Mr. J. M. Lynch, P.E., Att.
- Mr. C. C. Sessoms, Jr., P.E., Att.
- Mr. N. C. Crowe, Jr., P.E., Att.
- Assistant Area Traffic Engineers, Att.
- Division Traffic Engineers, Att.
- Accident and Traffic Studies Staff, Att. (18)
- Dr. Larry Goode, P.E., Att. (5)
- Mr. Jack Ward, P.E., Att. (10)
- Mr. Frank Vick, P.E., Att. (5)

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
TRAFFIC ENGINEERING BRANCH  
1990 ACCIDENT RATES

ITEMS	RURAL STATE HIGHWAYS					TOTAL RURAL	
	INTER	U S	N C	PRI	SR		
TOTAL ACCIDENTS	3430	15145	15359	33934	36442	70376	
FATAL ACCIDENTS	63	233	216	512	441	953	
NON-FATAL INJURY ACC	1489	7275	7474	16238	17542	33780	
NIGHT ACCIDENTS	1122	4096	4437	9655	13722	23377	
WET ACCIDENTS	747	3208	3232	7187	7064	14251	
% FATAL ACCIDENTS	1.8%	1.5%	1.4%	1.5%	1.2%	1.4%	
% NON-FATAL INJ ACC	43.4%	48.0%	48.7%	47.9%	48.1%	48.0%	
% NIGHT ACCIDENTS	32.7%	27.0%	28.9%	28.5%	37.7%	33.2%	
% WET ACCIDENTS	21.8%	21.2%	21.0%	21.2%	19.4%	20.2%	
MILES OF ROAD	ROAD	703	4329	6971	12003	59303	71306
ADT (1)		28420	6681	3108	5880	550.0	1447
TRAVEL (100MVM)		72.95	105.57	79.07	257.59	119.1	376.6
TOTAL ACC RATE (2)		47.0	143.5	194.2	131.7	306.1	186.9
FATAL ACC RATE (2)		0.9	2.2	2.7	2.0	3.7	2.5
NON-FAT INJ RATE (2)		20.4	68.9	94.5	63.0	147.3	89.7
NIGHT ACC RATE (2)		15.4	38.8	56.1	37.5	115.3	62.1
WET ACC RATE (2)		10.2	30.4	40.9	27.9	59.3	37.8
SEVERITY INDEX (3)		14.0	14.5	15.0	14.7	14.8	14.7
ITEMS	URBAN STATE HIGHWAYS						TOTAL URBAN
	INTER	U S	N C	PRI	SR (4)	NON-SYS	
TOTAL ACCIDENTS	3540	16510	9465	29515	16062	81024	126601
FATAL ACCIDENTS	21	46	32	99	38	133	270
NON-FATAL INJURY ACC	1384	6572	3816	11772	6397	24363	42532
NIGHT ACCIDENTS	375	3419	1845	6139	3329	17983	27451
WET ACCIDENTS	385	3545	1838	6318	3224	14245	23787
% FATAL ACCIDENTS	0.6%	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%
% NON-FATAL INJ ACC	39.1%	39.8%	40.3%	39.9%	39.8%	30.1%	33.6%
% NIGHT ACCIDENTS	24.7%	20.7%	19.5%	20.8%	20.7%	22.2%	21.7%
% WET ACCIDENTS	25.0%	21.5%	19.9%	21.4%	20.1%	17.6%	18.8%
MILES OF ROAD	142	1146	936	2224	2087	14820	19132
ADT (1)	48524	14549	9897	14757	6128	1000.0	3159
TRAVEL (100MVM) (1)	25.13	60.88	33.83	119.83	46.69	54.09	220.62
TOTAL ACC RATE (2)	140.9	271.2	279.8	246.3	344.0	1497.8	573.3
FATAL ACC RATE (2)	0.8	0.8	0.9	0.8	0.8	2.5	1.2
NON-FAT INJ RATE (2)	55.1	108.0	112.8	98.2	137.0	450.4	192.8
NIGHT ACC RATE (2)	34.8	56.2	54.5	51.2	71.3	332.4	124.4
WET ACC RATE (2)	35.2	58.2	55.8	52.7	69.0	263.3	107.8
SEVERITY INDEX (3)	10.7	11.2	11.2	11.1	10.4	8.3	9.2

(1) ESTIMATED VALUE

(2) RATE IS FOR 100 MILLION VEHICLE MILES OF TRAVEL.

(3) SEVERITY INDEX=(64(F+A)+19.1(B+C)+PDO)/TOTAL ACC.

(4) INCLUDED ONLY ROUTE SEGMENTS

WITH COMPUTERIZED TRAFFIC VOLUMES

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 TRAFFIC ENGINEERING BRANCH  
 ACCIDENT RATES  
 1990  
 BY ROAD TYPES & SYSTEMS

RURAL INTERSTATES ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	0	-	-	-	-	-
3 LANES UNDIVIDED	0	-	-	-	-	-
4+ UNDIVIDED NO	0	-	-	-	-	-
4+ DIVIDED NO	0	-	-	-	-	-
4+ DIVIDED PARTIAL	0	-	-	-	-	-
4+ DIVIDED FULL	703	47.0	0.9	20.4	15.4	10.2
TOTAL	703	47.0	0.9	20.4	15.4	10.2

URBAN INTERSTATE ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	0	-	-	-	-	-
3 LANES UNDIVIDED	0	-	-	-	-	-
4+ UNDIVIDED	0	-	-	-	-	-
4+ DIVIDED NO	0	-	-	-	-	-
4+ DIVIDED PARTIAL	0	-	-	-	-	-
4+ DIVIDED FULL	142	140.9	0.8	55.1	34.8	35.2
TOTAL	142	140.9	0.8	55.1	34.8	35.2

NOTE: Includes only route segments with computerized traffic volume

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 TRAFFIC ENGINEERING BRANCH  
 ACCIDENT RATES  
 1990  
 BY ROAD TYPES & SYSTEMS

RURAL UNITED STATES ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	3136	174.6	2.8	84.7	46.9	37.8
3 LANES UNDIVIDED	44	112.6	0.0	57.3	29.3	22.8
4+ UNDIVIDED NO	204	194.2	2.9	92.6	49.9	43.2
4+ DIVIDED NO	529	120.6	1.7	57.5	32.5	23.2
4+ DIVIDED PARTIAL	134	93.5	1.7	45.8	25.3	18.5
4+ DIVIDED FULL	282	52.6	0.5	22.3	17.5	11.1
TOTAL	4329	143.5	2.2	68.9	38.8	30.4

URBAN UNITED STATES ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	547	270.3	0.9	106.4	45.8	50.7
3 LANES UNDIVIDED*	7	529.4	0.0	175.2	85.7	48.5
4+ UNDIVIDED	321	372.7	0.7	148.5	80.1	79.6
4+ DIVIDED NO	146	243.0	1.0	100.8	56.0	53.3
4+ DIVIDED PARTIAL	63	145.3	1.1	60.3	34.5	37.3
4+ DIVIDED FULL	63	128.3	0.0	46.2	30.7	33.6
TOTAL	1146	271.2	0.8	108.0	56.2	58.2

NOTE: Includes only route segments with computerized traffic volume  
 \* Rates are not statistically significant.

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 TRAFFIC ENGINEERING BRANCH  
 ACCIDENT RATES  
 1990  
 BY ROAD TYPES & SYSTEMS

RURAL NORTH CAROLINA ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM	MILES	TOTAL	NON-FAT			WET
				FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED		6825	199.3	2.9	97.6	58.4	42.3
3 LANES UNDIVIDED *		11	186.0	8.5	126.8	33.8	33.8
4+ UNDIVIDED NO		43	235.9	1.2	101.9	50.6	47.1
4+ DIVIDED NO		64	129.5	1.0	55.4	31.5	23.6
4+ DIVIDED PARTIAL *		17	79.3	1.7	38.0	8.3	6.6
4+ DIVIDED FULL *		11	11.6	0.0	4.2	2.1	0.0
TOTAL		6971	194.2	2.7	94.5	56.1	40.9

URBAN NORTH CAROLINA ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM	MILES	TOTAL	NON-FAT			WET
				FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED		716	274.8	1.3	109.6	53.1	51.2
3 LANES UNDIVIDED *		2	313.7	0.0	123.6	38.0	123.6
4+ UNDIVIDED		151	390.4	0.9	160.1	74.2	79.7
4+ DIVIDED NO		40	378.4	0.3	156.5	81.0	87.6
4+ DIVIDED PARTIAL *		1	105.3	0.0	31.6	21.1	21.1
4+ DIVIDED FULL *		26	32.8	0.2	10.9	7.7	3.6
TOTAL		936	279.8	0.9	112.8	54.5	55.8

NOTE: Includes only route segments with computerized traffic volume  
 \* Rates are not statistically significant.

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 TRAFFIC ENGINEERING BRANCH  
 ACCIDENT RATES  
 1990  
 BY ROAD TYPES & SYSTEMS

RURAL ALL PRIMARY ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	9962	188.9	2.9	92.1	53.5	40.4
3 LANES UNDIVIDED	55	117.8	0.6	62.2	29.6	23.6
4+ UNDIVIDED NO	249	197.0	2.6	92.2	49.0	42.9
4+ DIVIDED NO	593	121.7	1.6	57.2	32.3	23.3
4+ DIVIDED PARTIAL	151	92.4	1.7	45.2	24.0	17.6
4+ DIVIDED FULL	993	47.5	0.8	20.5	15.6	10.3
TOTAL	12003	131.7	2.0	63.0	37.5	27.9

URBAN ALL PRIMARY ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	1263	272.6	1.1	103.1	49.6	51.0
3 LANES UNDIVIDED *	9	468.6	0.0	160.7	72.3	69.6
4+ UNDIVIDED	472	378.0	0.8	151.9	73.3	70.6
4+ DIVIDED NO	186	270.2	0.8	112.0	61.0	64.2
4+ DIVIDED PARTIAL	64	144.6	1.0	59.8	34.3	37.1
4+ DIVIDED FULL	231	125.4	0.6	43.0	30.8	31.7
TOTAL	2225	246.3	0.8	98.2	51.2	52.7

ALL PRIMARY ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	11225	207.0	2.5	95.6	52.7	42.7
3 LANES UNDIVIDED	63	182.4	0.5	80.3	37.5	32.0
4+ UNDIVIDED	721	329.8	1.2	136.0	70.5	69.9
4+ DIVIDED NO	779	175.7	1.3	77.1	42.8	38.2
4+ DIVIDED PARTIAL	215	114.7	1.4	51.4	28.4	25.9
4+ DIVIDED FULL	1224	70.7	0.7	28.7	20.1	16.6
TOTAL	14228	168.1	1.6	74.2	41.8	35.8

NOTE: Includes only routes segment...

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 TRAFFIC ENGINEERING BRANCH  
 ACCIDENT RATES  
 1988-90  
 BY ROAD TYPES & SYSTEMS

RURAL INTERSTATES ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	0	-	-	-	-	-
3 LANES UNDIVIDED	0	-	-	-	-	-
4+ UNDIVIDED NO	0	-	-	-	-	-
4+ DIVIDED NO	0	-	-	-	-	-
4+ DIVIDED PARTIAL	0	-	-	-	-	-
4+ DIVIDED FULL	703	50.6	0.9	21.1	16.5	10.6
TOTAL	703	50.6	0.9	21.1	16.5	10.6

URBAN INTERSTATE ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	0	-	-	-	-	-
3 LANES UNDIVIDED	0	-	-	-	-	-
4+ UNDIVIDED	0	-	-	-	-	-
4+ DIVIDED NO	0	-	-	-	-	-
4+ DIVIDED PARTIAL	0	-	-	-	-	-
4+ DIVIDED FULL	142	149.3	0.8	58.6	39.0	35.3
TOTAL	142	149.3	0.8	58.6	39.0	35.3

NOTE: Includes only route segments with computerized traffic volume

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 TRAFFIC ENGINEERING BRANCH  
 ACCIDENT RATES  
 1988-90  
 BY ROAD TYPES & SYSTEMS

RURAL UNITED STATES ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	3136	132.6	3.0	86.4	49.1	41.9
3 LANES UNDIVIDED	44	127.8	2.0	59.4	35.1	29.7
4+ UNDIVIDED NO	204	210.5	2.3	95.4	51.9	49.0
4+ DIVIDED NO	529	132.9	1.6	62.8	34.7	28.2
4+ DIVIDED PARTIAL	134	101.1	1.5	49.8	26.4	19.8
4+ DIVIDED FULL	282	56.0	0.7	23.6	18.5	12.7
TOTAL	4329	152.5	2.2	71.6	40.8	34.3

URBAN UNITED STATES ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	547	294.0	1.1	111.9	51.9	60.7
3 LANES UNDIVIDED*	7	622.0	0.0	213.5	39.4	116.7
4+ UNDIVIDED	321	402.0	0.9	157.1	87.3	90.4
4+ DIVIDED NO	146	257.2	0.9	104.1	57.4	58.9
4+ DIVIDED PARTIAL	63	162.9	0.7	66.7	37.6	41.9
4+ DIVIDED FULL	63	137.8	0.4	50.6	31.4	35.7
TOTAL	1146	293.0	0.9	114.1	61.0	65.5

NOTE: Includes only route segments with computerized traffic volume  
 \* Rates are not statistically significant.



TRAFFIC ENGINEERING BRANCH  
ACCIDENT RATES  
1988-90  
BY ROAD TYPES & SYSTEMS

RURAL NORTH CAROLINA ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM	MILES	TOTAL	NON-FAT			WET
				FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED		6825	207.2	3.1	99.9	60.2	44.7
3 LANES UNDIVIDED *		11	292.8	5.6	160.5	104.2	61.9
4+ UNDIVIDED NO		43	255.8	2.0	109.9	58.1	52.6
4+ DIVIDED NO		64	142.8	1.2	60.5	45.1	28.2
4+ DIVIDED PARTIAL *		17	95.7	1.7	48.4	20.4	16.0
4+ DIVIDED FULL *		11	12.3	0.0	4.2	1.4	2.5
TOTAL		6971	202.7	3.0	97.2	58.6	43.6

URBAN NORTH CAROLINA ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM	MILES	TOTAL	NON-FAT			WET
				FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED		716	292.1	1.1	117.1	57.4	58.0
3 LANES UNDIVIDED *		2	414.7	0.0	161.4	95.0	104.5
4+ UNDIVIDED		151	408.4	0.6	161.6	82.6	88.2
4+ DIVIDED NO		40	424.6	0.8	164.3	95.3	100.7
4+ DIVIDED PARTIAL *		1	136.8	3.5	59.6	35.1	28.1
4+ DIVIDED FULL *		26	27.8	0.2	10.1	7.0	7.5
TOTAL		936	297.1	0.8	118.0	60.2	62.9

NOTE: Includes only route segments with computerized traffic volume  
\* Rates are not statistically significant.

TRAFFIC ENGINEERING BRANCH  
 ACCIDENT RATES  
 1988-90  
 BY ROAD TYPES & SYSTEMS

RURAL ALL PRIMARY ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	9962	196.8	3.1	94.2	55.5	43.5
3 LANES UNDIVIDED	55	139.6	2.2	66.6	40.0	32.0
4+ UNDIVIDED NO	249	213.3	2.2	95.7	51.8	48.5
4+ DIVIDED NO	593	134.1	1.6	62.6	36.0	28.2
4+ DIVIDED PARTIAL	151	100.7	1.5	49.7	25.9	19.5
4+ DIVIDED FULL	993	51.1	0.8	21.4	16.7	10.9
TOTAL	12003	139.0	2.1	65.1	39.4	30.4

URBAN ALL PRIMARY ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	1263	293.0	1.1	114.6	54.9	59.8
3 LANES UNDIVIDED *	9	563.6	0.0	198.9	91.0	113.3
4+ UNDIVIDED	472	403.9	0.8	158.4	86.3	39.7
4+ DIVIDED NO	186	290.8	0.9	116.2	65.0	67.3
4+ DIVIDED PARTIAL	64	162.4	0.7	66.6	37.6	41.7
4+ DIVIDED FULL	231	132.4	0.6	51.2	33.7	32.0
TOTAL	2225	264.0	0.8	103.6	56.2	58.5

ALL PRIMARY ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	11225	217.6	2.6	98.6	55.3	47.0
3 LANES UNDIVIDED	63	217.7	1.8	90.9	49.4	46.9
4+ UNDIVIDED	721	353.1	1.2	141.7	77.1	78.7
4+ DIVIDED NO	779	191.1	1.3	82.0	46.5	42.4
4+ DIVIDED PARTIAL	215	127.0	1.2	56.9	30.9	29.0
4+ DIVIDED FULL	1224	75.2	0.8	30.2	21.7	17.2
TOTAL	14228	178.7	1.7	77.3	44.7	39.3

NOTE: Includes only route segments with computerized traffic volume

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 TRAFFIC ENGINEERING BRANCH  
TRUCK ACCIDENT RATES  
 1988-90  
 BY ROAD TYPES & SYSTEMS

RURAL INTERSTATES ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	0	-	-	-	-	-
3 LANES UNDIVIDED	0	-	-	-	-	-
4+ UNDIVIDED NO	0	-	-	-	-	-
4+ DIVIDED NO	0	-	-	-	-	-
4+ DIVIDED PARTIAL	0	-	-	-	-	-
4+ DIVIDED FULL	703	10.6	0.3	4.3	3.9	1.9
TOTAL	703	10.6	0.3	4.3	3.9	1.9

URBAN INTERSTATE ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	0	-	-	-	-	-
3 LANES UNDIVIDED	0	-	-	-	-	-
4+ UNDIVIDED	0	-	-	-	-	-
4+ DIVIDED NC	0	-	-	-	-	-
4+ DIVIDED PARTIAL	0	-	-	-	-	-
4+ DIVIDED FULL	142	22.5	0.2	7.7	4.9	4.7
TOTAL	142	22.5	0.2	7.7	4.9	4.7

NOTE: Includes only route segments with computerized traffic volume

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 TRAFFIC ENGINEERING BRANCH  
TRUCK ACCIDENT RATES  
 1988-90  
 BY ROAD TYPES & SYSTEMS

RURAL UNITED STATES ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	3136	12.2	0.5	5.6	2.7	2.7
3 LANES UNDIVIDED	44	9.1	0.9	3.0	2.2	1.7
4+ UNDIVIDED NO	204	12.1	0.3	4.7	2.1	2.3
4+ DIVIDED NO	529	10.3	0.2	4.4	2.4	1.9
4+ DIVIDED PARTIAL	134	7.8	0.4	3.4	1.6	1.6
4+ DIVIDED FULL	282	5.5	0.1	2.1	1.5	1.1
TOTAL	4329	10.6	0.4	4.7	2.3	2.2

URBAN UNITED STATES ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	547	13.0	0.2	4.1	1.4	2.3
3 LANES UNDIVIDED*	7	21.1	0.0	6.2	1.2	1.2
4+ UNDIVIDED	321	16.7	0.1	4.3	2.2	3.5
4+ DIVIDED NO	146	14.3	0.3	4.7	1.6	2.4
4+ DIVIDED PARTIAL	63	15.8	0.0	4.6	2.9	3.1
4+ DIVIDED FULL	63	3.3	0.0	2.7	1.3	2.1
TOTAL	1146	14.3	0.1	4.3	1.9	2.8

NOTE: Includes only route segments with computerized traffic volume  
 \* Rates are not statistically significant.

TRAFFIC ENGINEERING BRANCH  
 TRUCK ACCIDENT RATES  
 1988-90  
 BY ROAD TYPES & SYSTEMS

RURAL NORTH CAROLINA ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM	MILES	TOTAL	FATAL	NON-FAT INJURY	NIGHT	WET
2 LANES UNDIVIDED		6825	10.4	0.4	4.7	2.2	2.0
3 LANES UNDIVIDED *		11	42.2	0.0	28.2	14.1	5.6
4+ UNDIVIDED NO		43	15.5	0.6	4.2	3.6	2.8
4+ DIVIDED NO		64	7.0	0.3	2.1	2.5	1.5
4+ DIVIDED PARTIAL *		17	5.0	0.0	2.2	0.0	0.0
4+ DIVIDED FULL *		11	0.0	0.0	0.0	0.0	0.0
TOTAL		6971	10.2	0.4	4.5	2.2	2.0

URBAN NORTH CAROLINA ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM	MILES	TOTAL	FATAL	NON-FAT INJURY	NIGHT	WET
2 LANES UNDIVIDED		716	12.6	0.1	4.1	2.2	2.1
3 LANES UNDIVIDED *		2	22.2	0.0	3.2	0.0	3.2
4+ UNDIVIDED		151	14.1	0.0	3.6	2.1	2.3
4+ DIVIDED NO		40	15.8	0.1	4.2	2.1	4.7
4+ DIVIDED PARTIAL *		1	7.0	0.0	3.5	0.0	0.0
4+ DIVIDED FULL *		26	1.7	0.0	0.7	0.2	0.5
TOTAL		936	11.8	0.1	3.5	1.9	2.2

NOTE: Includes only route segments with computerized traffic volume  
 \* Rates are not statistically significant.

TRAFFIC ENGINEERING BRANCH  
TRUCK ACCIDENT RATES  
 1988-90  
 BY ROAD TYPES & SYSTEMS

RURAL ALL PRIMARY ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	9962	11.2	0.5	5.0	2.4	2.3
3 LANES UNDIVIDED	55	11.5	0.8	4.8	3.0	2.0
4+ UNDIVIDED NO	249	12.4	0.4	4.5	2.3	2.3
4+ DIVIDED NO	593	9.9	0.2	4.1	2.4	1.9
4+ DIVIDED PARTIAL	151	7.6	0.3	3.3	1.5	1.5
4+ DIVIDED FULL	993	9.8	0.3	3.9	3.5	1.8
TOTAL	12003	10.5	0.4	4.5	2.7	2.1

URBAN ALL PRIMARY ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	1263	12.8	0.2	4.1	1.8	2.2
3 LANES UNDIVIDED *	9	21.4	0.0	5.4	0.9	1.8
4+ UNDIVIDED	472	16.0	0.0	4.4	2.2	3.1
4+ DIVIDED NO	186	15.0	0.2	4.6	1.9	2.9
4+ DIVIDED PARTIAL	64	15.6	0.0	4.5	2.9	3.0
4+ DIVIDED FULL	231	17.3	0.1	5.9	3.7	3.7
TOTAL	2225	15.3	0.1	4.8	2.5	3.0

ALL PRIMARY ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	11225	11.5	0.4	4.8	2.3	2.3
3 LANES UNDIVIDED	63	13.3	0.7	4.9	2.6	2.0
4+ UNDIVIDED	721	15.0	0.1	4.4	2.2	2.9
4+ DIVIDED NO	779	11.7	0.2	4.3	2.2	2.2
4+ DIVIDED PARTIAL	215	11.0	0.2	3.8	2.1	2.2
4+ DIVIDED FULL	1224	12.0	0.2	4.5	3.5	2.4
TOTAL	14228	12.0	0.3	4.6	2.7	2.4

NOTE: Includes only route segments with computerized traffic volume