

Daniel



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

April 9, 1990

DIVISION OF HIGHWAYS

JAMES G. MARTIN
GOVERNOR

THOMAS J. HARRELSON
SECRETARY

GEORGE E. WELLS, P.E.
STATE HIGHWAY ADMINISTRATOR

MEMORANDUM

TO: Area Traffic Engineers and Unit Heads

FROM: S. K. Smith, Accident Studies Engineer *KS*

SUBJECT: Traffic Accident Rates by Road Types and System - 1989
and 1987 thru 1989

The attached tables list various traffic accident rates for rural and municipal (Urban) route systems for 1989 and 1987 thru 1989 traffic accidents. The truck accident rates are in per 100 million vehicles miles traveled. These tables are for your information and use in any accident studies.

If you have need for any other types of traffic accident data summaries on a yearly basis, then give us a description of the specific information that you require and we will incorporate it in future summaries.

SS:sks

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

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING BRANCH
1989 ACCIDENT RATES

ITEMS	RURAL STATE HIGHWAYS					TOTAL	
	INTER	U S	N C	PRI	SR	RURAL	
TOTAL ACCIDENTS	4310	16433	15779	36522	39490	76012	
FATAL ACCIDENTS	55	212	201	468	474	942	
NON-FATAL INJURY ACC	1753	7584	7419	16756	18122	34878	
NIGHT ACCIDENTS	1478	4556	4654	10688	14235	24923	
WET ACCIDENTS	923	4149	3802	8874	8947	17821	
% FATAL ACCIDENTS	1.3%	1.3%	1.3%	1.3%	1.2%	1.2%	
% NON-FATAL INJ ACC	40.7%	46.2%	47.0%	45.9%	45.9%	45.9%	
% NIGHT ACCIDENTS	34.3%	27.7%	29.5%	29.3%	36.0%	32.8%	
% WET ACCIDENTS	21.4%	25.2%	24.1%	24.3%	22.7%	23.4%	
MILES OF ROAD							
ADT (1)	695	4345	6998	12039	59310	71349	
TRAVEL (100MVM)	23802	6458	3024	5463	550.0	1379	
	60.36	102.43	77.26	240.05	119.1	359.1	
TOTAL ACC RATE (2)	71.4	160.4	204.2	152.1	331.7	211.7	
FATAL ACC RATE (2)	0.9	2.1	2.6	1.9	4.0	2.6	
NON-FAT INJ RATE (2)	29.0	74.0	96.0	69.8	152.2	97.1	
NIGHT ACC RATE (2)	24.5	44.5	60.2	44.5	119.6	69.4	
WET ACC RATE (2)	15.3	40.5	49.2	37.0	75.1	49.6	
SEVERITY INDEX (3)	12.4	13.7	14.1	13.7	13.9	13.8	
ITEMS	URBAN STATE HIGHWAYS					TOTAL	
	INTER	U S	N C	PRI	SR (4)	NON-SYS URBAN	
TOTAL ACCIDENTS	3245	17436	8986	29667	16557	84813	131037
FATAL ACCIDENTS	17	52	21	90	45	166	301
NON-FATAL INJURY ACC	1265	6703	3507	11475	6348	25004	42827
NIGHT ACCIDENTS	882	3713	1924	6519	3503	19316	29338
WET ACCIDENTS	836	4469	2185	7490	4114	18812	30416
% FATAL ACCIDENTS	0.5%	0.3%	0.2%	0.3%	0.3%	0.2%	0.2%
% NON-FATAL INJ ACC	39.0%	38.4%	39.0%	38.7%	38.3%	29.5%	32.7%
% NIGHT ACCIDENTS	27.2%	21.3%	21.4%	22.0%	21.2%	22.8%	22.4%
% WET ACCIDENTS	25.8%	25.6%	24.3%	25.2%	24.8%	22.2%	23.2%
MILES OF ROAD							
ADT (1)	133	1118	911	2161	1998	14462	18621
TRAVEL (100MVM) (1)	39146	13957	9394	13580	5944	1000.0	2990
	18.95	56.93	31.24	107.12	43.34	52.79	203.24
TOTAL ACC RATE (2)	171.2	306.3	287.7	277.0	382.0	1606.7	644.7
FATAL ACC RATE (2)	0.9	0.9	0.7	0.8	1.0	3.1	1.5
NON-FAT INJ RATE (2)	66.7	117.7	112.3	107.1	146.5	473.7	210.7
NIGHT ACC RATE (2)	46.5	65.2	61.6	60.9	80.8	365.9	144.3
WET ACC RATE (2)	44.1	78.5	70.0	69.9	94.9	356.4	149.7
SEVERITY INDEX (3)	10.9	11.0	10.8	10.9	10.3	8.2	9.1

(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

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 TRAFFIC ENGINEERING BRANCH
ACCIDENT RATES
1989
 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	695	71.4	0.9	29.0	24.5	15.3
TOTAL	695	71.4	0.9	29.0	24.5	15.3

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	133	171.2	0.9	66.7	46.5	44.1
TOTAL	133	171.2	0.9	66.7	46.5	44.1

NOTE: Includes only route segments with computerized traffic volume

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 TRAFFIC ENGINEERING BRANCH
ACCIDENT RATES
1989
 BY ROAD TYPES & SYSTEMS

RURAL UNITED STATES ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			
			FATAL	INJURY	NIGHT	WET
2 LANES UNDIVIDED	3170	190.2	2.9	88.8	52.9	48.9
3 LANES UNDIVIDED	44	176.6	4.0	74.4	45.5	44.1
4+ UNDIVIDED NO	178	205.6	1.8	93.0	49.9	55.2
4+ DIVIDED NO	533	141.2	1.1	66.2	39.1	34.5
4+ DIVIDED PARTIAL	134	107.5	1.0	50.9	28.4	23.5
4+ DIVIDED FULL	286	62.4	0.7	23.8	22.1	14.0
TOTAL	4345	160.4	2.1	74.0	44.5	40.5

URBAN UNITED STATES ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			
			FATAL	INJURY	NIGHT	WET
2 LANES UNDIVIDED	539	280.2	0.9	105.8	49.1	69.4
3 LANES UNDIVIDED*	6	248.0	0.0	107.4	55.5	40.7
4+ UNDIVIDED	310	396.7	1.0	154.4	91.0	101.2
4+ DIVIDED NO	141	339.5	1.2	129.4	73.0	83.9
4+ DIVIDED PARTIAL	61	179.4	0.8	73.3	42.9	55.0
4+ DIVIDED FULL	59	151.6	0.3	55.0	34.7	45.4
TOTAL	1118	306.3	0.9	117.7	65.2	78.5

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

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 TRAFFIC ENGINEERING BRANCH
ACCIDENT RATES
 1989
 BY ROAD TYPES & SYSTEMS

RURAL NORTH CAROLINA ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	NON-FAT				
		TOTAL	FATAL	INJURY	NIGHT	WET
2 LANES UNDIVIDED	6839	210.4	2.7	99.7	62.1	51.2
3 LANES UNDIVIDED *	12	295.9	6.4	135.1	115.8	45.0
4+ UNDIVIDED NO	49	231.7	2.2	92.2	46.7	54.3
4+ DIVIDED NO	68	139.3	1.9	58.9	50.4	26.6
4+ DIVIDED PARTIAL *	17	71.7	1.7	36.7	25.0	11.7
4+ DIVIDED FULL *	13	8.3	0.0	3.7	0.9	1.8
TOTAL	6998	204.2	2.6	96.0	60.2	49.2

URBAN NORTH CAROLINA ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	NON-FAT				
		TOTAL	FATAL	INJURY	NIGHT	WET
2 LANES UNDIVIDED	708	280.3	0.8	109.2	58.7	66.0
3 LANES UNDIVIDED *	1	613.2	0.0	141.5	0.0	0.0
4+ UNDIVIDED	139	390.0	0.7	154.2	82.6	94.4
4+ DIVIDED NO	36	444.6	0.4	170.3	102.2	123.1
4+ DIVIDED PARTIAL *	1	334.0	10.8	140.1	118.5	107.8
4+ DIVIDED FULL *	26	33.9	0.2	12.7	9.5	8.8
TOTAL	911	287.7	0.7	112.3	61.6	70.0

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

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 TRAFFIC ENGINEERING BRANCH
ACCIDENT RATES
 1989

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	10009	201.6	2.8	94.9	58.1	50.2
3 LANES UNDIVIDED	56	187.7	4.2	80.1	52.0	44.2
4+ UNDIVIDED NO	231	204.2	1.8	89.9	47.7	53.3
4+ DIVIDED NO	601	141.0	1.2	65.2	40.5	33.4
4+ DIVIDED PARTIAL	151	104.6	1.1	49.7	28.1	22.5
4+ DIVIDED FULL	990	69.3	0.9	27.9	23.8	14.9
TOTAL	12039	152.1	1.9	69.8	44.5	37.0

URBAN ALL PRIMARY ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	1248	280.2	0.8	107.6	54.1	67.7
3 LANES UNDIVIDED *	17	274.6	0.0	109.8	51.5	37.8
4+ UNDIVIDED	449	394.8	0.9	154.4	88.6	99.3
4+ DIVIDED NO	178	359.7	1.0	137.3	78.7	91.4
4+ DIVIDED PARTIAL	63	182.0	0.9	74.5	44.2	55.9
4+ DIVIDED FULL	218	147.8	0.7	56.7	38.9	39.4
TOTAL	2161	277.0	0.8	107.1	60.9	69.9

ALL PRIMARY ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	11257	218.2	2.4	97.6	57.3	53.9
3 LANES UNDIVIDED	63	200.5	3.6	84.5	51.9	43.3
4+ UNDIVIDED	680	344.4	1.1	137.3	77.8	87.1
4+ DIVIDED NO	779	218.5	1.1	90.7	54.1	54.0
4+ DIVIDED PARTIAL	214	137.4	1.0	60.2	34.9	36.7
4+ DIVIDED FULL	1208	91.6	0.8	36.1	28.1	21.9
TOTAL	14200	190.7	1.6	81.3	49.6	47.1

NOTE: Includes only routes...

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 TRAFFIC ENGINEERING BRANCH
ACCIDENT RATES
1987-89
 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	695	58.8	1.0	24.3	19.2	11.6
TOTAL	695	58.8	1.0	24.3	19.2	11.6

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	133	158.0	1.0	62.6	42.6	36.4
TOTAL	133	158.0	1.0	62.6	42.6	36.4

NOTE: Includes only route segments with computerized traffic volume

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 TRAFFIC ENGINEERING BRANCH
ACCIDENT RATES
1987-89
 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	3170	180.1	3.1	84.0	50.1	41.3
3 LANES UNDIVIDED	44	168.0	3.5	74.2	41.5	36.7
4+ UNDIVIDED NO	178	213.1	2.0	93.6	52.1	49.9
4+ DIVIDED NO	533	135.6	1.6	63.5	35.3	29.5
4+ DIVIDED PARTIAL	134	102.1	1.2	50.0	26.2	19.3
4+ DIVIDED FULL	286	55.6	0.9	22.8	18.6	11.6
TOTAL	4345	153.2	2.3	70.8	41.8	34.5

URBAN UNITED STATES ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	539	276.2	1.0	103.8	49.5	57.8
3 LANES UNDIVIDED*	6	253.0	0.0	90.1	37.0	42.0
4+ UNDIVIDED	310	396.2	0.8	151.4	86.3	87.1
4+ DIVIDED NO	141	341.8	1.0	127.5	73.6	75.5
4+ DIVIDED PARTIAL	61	175.3	0.8	70.1	41.9	43.5
4+ DIVIDED FULL	59	135.4	0.6	49.9	31.0	34.5
TOTAL	1118	303.4	0.9	114.9	63.3	66.8

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

TRAFFIC ENGINEERING BRANCH
ACCIDENT RATES
1987-89
 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		6839	207.2	3.3	98.2	62.3	43.8
3 LANES UNDIVIDED	*	12	317.4	4.3	152.2	115.8	66.5
4+ UNDIVIDED NO		49	259.0	2.2	107.4	57.7	54.4
4+ DIVIDED NO		68	156.4	1.7	65.6	52.8	31.2
4+ DIVIDED PARTIAL	*	17	78.9	1.7	38.3	22.2	12.8
4+ DIVIDED FULL	*	13	7.7	0.0	2.8	1.2	1.8
TOTAL		6998	202.8	3.1	95.4	60.7	42.8

URBAN NORTH CAROLINA ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM	MILES	TOTAL	NON-FAT			WET
				FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED		708	277.1	1.1	108.5	55.0	56.7
3 LANES UNDIVIDED	*	1	440.3	0.0	110.1	31.4	31.4
4+ UNDIVIDED		139	386.9	0.4	152.2	81.0	81.2
4+ DIVIDED NO		36	428.6	0.4	162.0	97.6	99.6
4+ DIVIDED PARTIAL	*	1	294.5	3.6	114.9	89.8	75.4
4+ DIVIDED FULL	*	26	21.8	0.1	8.9	5.7	5.4
TOTAL		911	282.0	0.7	110.2	58.2	59.3

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

TRAFFIC ENGINEERING BRANCH
ACCIDENT RATES
 1987-89

BY ROAD TYPES & SYSTEMS

RURAL ALL PRIMARY ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			
			FATAL	INJURY	NIGHT	WET
2 LANES UNDIVIDED	10009	195.5	3.2	92.1	57.0	42.8
3 LANES UNDIVIDED	56	181.9	3.6	81.5	48.4	39.4
4+ UNDIVIDED NO	231	215.4	2.0	93.3	51.5	49.2
4+ DIVIDED NO	601	138.4	1.6	63.8	37.5	29.7
4+ DIVIDED PARTIAL	151	100.2	1.3	49.0	25.9	18.8
4+ DIVIDED FULL	990	57.7	1.0	23.8	18.9	11.5
TOTAL	12039	145.4	2.3	67.0	42.2	31.4

URBAN ALL PRIMARY ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			
			FATAL	INJURY	NIGHT	WET
2 LANES UNDIVIDED	1248	276.6	1.0	106.2	52.3	57.2
3 LANES UNDIVIDED *	7	266.6	0.0	91.5	36.6	41.2
4+ UNDIVIDED	449	393.6	0.7	151.6	84.8	85.5
4+ DIVIDED NO	178	358.6	0.9	134.2	78.3	80.1
4+ DIVIDED PARTIAL	63	177.3	0.8	70.9	42.7	44.0
4+ DIVIDED FULL	218	134.1	0.8	52.4	35.0	31.6
TOTAL	2161	271.4	0.8	104.3	58.2	59.3

ALL PRIMARY ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			
			FATAL	INJURY	NIGHT	WET
2 LANES UNDIVIDED	11257	212.6	2.8	95.1	56.0	45.8
3 LANES UNDIVIDED	63	194.4	3.1	83.0	46.7	39.7
4+ UNDIVIDED	680	346.4	1.0	136.2	76.0	75.9
4+ DIVIDED NO	779	216.4	1.3	88.7	52.0	47.6
4+ DIVIDED PARTIAL	214	132.9	1.1	58.3	33.0	29.5
4+ DIVIDED FULL	1208	79.4	0.9	31.9	23.5	17.2
TOTAL	14200	184.3	1.8	78.5	47.1	40.0

NOTE: Includes only route segments with computerized traffic volume

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 TRAFFIC ENGINEERING BRANCH
TRUCK ACCIDENT RATES
1987-89
 BY ROAD TYPES & SYSTEMS

RURAL INTERSTATES ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	NON-FAT				
		TOTAL	FATAL	INJURY	NIGHT	WET
2 LANES UNDIVIDED	0	-	-	-	-	-
3 LANES UNDIVIDED	0	-	-	-	-	-
4+ UNDIVIDED NO	0	-	-	-	-	-
4+ DIVIDED NO	0	-	-	-	-	-
4+ DIVIDED PARTIAL	0	-	-	-	-	-
4+ DIVIDED FULL	695	13.2	0.3	5.4	4.8	2.2
TOTAL	695	13.2	0.3	5.4	4.8	2.2

URBAN INTERSTATE ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	NON-FAT				
		TOTAL	FATAL	INJURY	NIGHT	WET
2 LANES UNDIVIDED	0	-	-	-	-	-
3 LANES UNDIVIDED	0	-	-	-	-	-
4+ UNDIVIDED	0	-	-	-	-	-
4+ DIVIDED NO	0	-	-	-	-	-
4+ DIVIDED PARTIAL	0	-	-	-	-	-
4+ DIVIDED FULL	133	23.8	0.2	8.2	5.5	4.9
TOTAL	133	23.8	0.2	8.2	5.5	4.9

NOTE: Includes only route segments with computerized traffic volume

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 TRAFFIC ENGINEERING BRANCH
TRUCK ACCIDENT RATES
 1986-88
 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	3170	11.8	0.6	5.4	2.6	2.5
3 LANES UNDIVIDED	44	9.7	0.9	3.5	1.8	1.1
4+ UNDIVIDED NO	178	10.5	0.3	4.0	1.9	1.9
4+ DIVIDED NO	533	10.7	0.2	4.3	2.3	2.0
4+ DIVIDED PARTIAL	134	7.3	0.2	3.1	1.3	1.2
4+ DIVIDED FULL	286	5.4	0.2	1.8	1.8	0.8
TOTAL	4345	10.4	0.4	4.5	2.3	2.1

URBAN UNITED STATES ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	539	10.9	0.1	2.9	1.2	2.0
3 LANES UNDIVIDED*	6	2.5	0.0	2.5	0.0	0.0
4+ UNDIVIDED	310	14.5	0.1	3.8	1.9	2.9
4+ DIVIDED NO	141	22.3	0.3	5.9	3.8	3.6
4+ DIVIDED PARTIAL	61	14.8	0.1	4.3	2.3	2.8
4+ DIVIDED FULL	59	7.6	0.1	2.9	1.3	1.9
TOTAL	1118	14.2	0.1	3.9	2.0	2.7

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

TRAFFIC ENGINEERING BRANCH
TRUCK ACCIDENT RATES
1987-89
 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	6839	9.5	0.4	4.3	2.0	1.8
3 LANES UNDIVIDED *	12	34.3	0.0	25.7	12.9	2.1
4+ UNDIVIDED NO	49	13.0	0.4	4.5	3.4	3.1
4+ DIVIDED NO	68	7.0	0.1	2.5	2.6	1.4
4+ DIVIDED PARTIAL *	17	2.2	0.0	0.6	0.0	0.0
4+ DIVIDED FULL *	13	0.0	0.0	0.0	0.0	0.0
TOTAL	6998	9.3	0.4	4.2	2.0	1.8

URBAN NORTH CAROLINA ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	708	10.0	0.2	2.9	1.4	1.5
3 LANES UNDIVIDED *	1	15.7	0.0	0.0	0.0	0.0
4+ UNDIVIDED	139	11.7	0.0	3.1	1.8	1.9
4+ DIVIDED NO	36	13.2	0.0	3.2	1.2	3.9
4+ DIVIDED PARTIAL *	1	57.5	0.0	14.4	10.8	14.4
4+ DIVIDED FULL *	26	1.5	0.0	0.7	0.2	0.3
TOTAL	911	9.7	0.1	2.7	1.3	1.7

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

TRAFFIC ENGINEERING BRANCH
TRUCK ACCIDENT RATES
 1987-89
 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	10009	10.5	0.5	4.8	2.3	2.1
3 LANES UNDIVIDED	56	12.0	0.8	5.6	2.8	1.2
4+ UNDIVIDED NO	231	10.7	0.3	4.0	2.2	2.0
4+ DIVIDED NO	601	10.2	0.2	4.0	2.3	2.0
4+ DIVIDED PARTIAL	151	6.9	0.2	2.9	1.2	1.1
4+ DIVIDED FULL	990	11.8	0.3	4.8	4.3	2.0
TOTAL	12039	10.8	0.4	4.6	2.8	2.0

URBAN ALL PRIMARY ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	1248	10.4	0.1	2.9	1.3	1.7
3 LANES UNDIVIDED *	7	3.4	0.0	2.3	0.0	0.0
4+ UNDIVIDED	449	13.7	0.1	3.6	1.8	2.6
4+ DIVIDED NO	178	20.6	0.3	5.4	3.3	3.7
4+ DIVIDED PARTIAL	63	15.5	0.1	4.5	2.4	3.0
4+ DIVIDED FULL	218	17.3	0.2	6.1	3.9	3.7
TOTAL	2161	14.6	0.1	4.3	2.4	2.8

ALL PRIMARY ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	11257	10.5	0.4	4.4	2.0	2.0
3 LANES UNDIVIDED	63	10.7	0.7	5.1	2.4	1.0
4+ UNDIVIDED	680	12.9	0.1	3.7	1.9	2.5
4+ DIVIDED NO	779	13.9	0.2	4.5	2.7	2.6
4+ DIVIDED PARTIAL	214	10.5	0.1	3.6	1.7	1.9
4+ DIVIDED FULL	1208	13.4	0.3	5.1	4.2	2.5
TOTAL	14200	11.9	0.3	4.5	2.7	2.3

NOTE: Includes only route segments with computerized traffic volume