

Stella Daniel



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

JAMES G. MARTIN  
GOVERNOR

March 3, 1989

DIVISION OF HIGHWAYS

JAMES E. HARRINGTON  
SECRETARY

*Last 4 pages Truck Rates*

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

MEMORANDUM

TO: Area Traffic Engineers and Unit Heads

FROM: S. K. Smith, Accident Studies Project Engineer *SK*

SUBJECT: Traffic Accident Rates by Road Types and System - 1988 and 1986 thru 1988

The attached tables list various traffic accident rates for rural and municipal (Urban) route systems for 1988 and 1986 thru 1988 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. E. F. Mallard, P.E., Att.  
Mr. N. C. Crowe, Jr., Att.  
Assistant Area Traffic Engineers, Att.  
Division Traffic Engineers, Att.  
Traffic Studies Staff, Att.  
Mr. J. M. Greenhill, P.E., Att. (10)

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
TRAFFIC ENGINEERING BRANCH  
1988 ACCIDENT RATES

ITEMS	RURAL STATE HIGHWAYS					TOTAL RURAL
	INTER	U S	N C	PRI	SR	
TOTAL ACCIDENTS	3378	15266	15441	34085	37791	71876
FATAL ACCIDENTS	73	240	271	584	481	1065
NON-FATAL INJURY ACC	1394	7091	7340	15825	17782	33607
NIGHT ACCIDENTS	1066	3963	4514	9543	13760	23303
WET ACCIDENTS	675	3258	3035	6968	6883	13851
% FATAL ACCIDENTS	2.2%	1.6%	1.8%	1.7%	1.3%	1.5%
% NON-FATAL INJ ACC	41.3%	46.4%	47.5%	46.4%	47.1%	46.8%
% NIGHT ACCIDENTS	31.6%	26.0%	29.2%	28.0%	36.4%	32.4%
% WET ACCIDENTS	20.0%	21.3%	19.7%	20.4%	18.2%	19.3%
MILES OF ROAD						
ADT (1)	686	4281	6990	11957	59313	71270
TRAVEL (100MVM)	22745	6175	2845	5180	500.0	1287
	57.14	96.75	72.78	226.67	108.2	334.9
TOTAL ACC RATE (2)	59.0	157.8	212.2	150.4	349.1	214.6
FATAL ACC RATE (2)	1.3	2.5	3.7	2.6	4.4	3.2
NON-FAT INJ RATE (2)	24.3	73.3	100.9	69.8	164.3	100.3
NIGHT ACC RATE (2)	18.6	41.0	62.0	42.1	127.1	69.6
WET ACC RATE (2)	11.8	33.7	41.7	30.7	63.6	41.4
SEVERITY INDEX (3)	13.5	14.3	14.6	14.4	14.5	14.4
ITEMS	URBAN STATE HIGHWAYS					TOTAL URBAN
	INTER	U S	N C	PRI	SR (4)	
TOTAL ACCIDENTS	2790	16808	8570	28168	15140	79682
FATAL ACCIDENTS	16	47	21	84	49	142
NON-FATAL INJURY ACC	1136	6365	3366	10867	5829	23451
NIGHT ACCIDENTS	728	3468	1691	5887	3152	17997
WET ACCIDENTS	600	3423	1632	5655	2980	13689
% FATAL ACCIDENTS	0.6%	0.3%	0.2%	0.3%	0.3%	0.2%
% NON-FATAL INJ ACC	40.7%	37.9%	39.3%	38.6%	38.5%	29.4%
% NIGHT ACCIDENTS	26.1%	20.6%	19.7%	20.9%	20.8%	22.6%
% WET ACCIDENTS	21.5%	20.4%	19.0%	20.1%	19.7%	17.2%
MILES OF ROAD						
ADT (1)	119	1069	878	2066	1837	13647
TRAVEL (100MVM) (1)	38867	13601	8999	13096	6032.1	1000.0
	16.89	53.20	28.93	99.03	40.56	49.81
TOTAL ACC RATE (2)	165.2	315.9	296.2	284.4	373.3	1599.7
FATAL ACC RATE (2)	0.9	0.9	0.7	0.8	1.2	2.9
NON-FAT INJ RATE (2)	67.2	119.6	116.3	109.7	143.7	470.8
NIGHT ACC RATE (2)	43.1	65.2	58.4	59.4	77.7	361.3
WET ACC RATE (2)	35.5	64.3	56.4	57.1	73.5	274.8
SEVERITY INDEX (3)	11.0	10.6	11.0	10.8	10.6	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

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 TRAFFIC ENGINEERING BRANCH  
 ACCIDENT RATES  
 1988  
 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	687	59.1	1.3	24.4	18.6	11.8
TOTAL	687	59.1	1.3	24.4	18.6	11.8

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	119	165.2	0.9	67.2	43.1	35.5
TOTAL	119	165.2	0.9	67.2	43.1	35.5

NOTE: Includes only route segments with computerized traffic volume

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 TRAFFIC ENGINEERING BRANCH  
 ACCIDENT RATES  
1988  
 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	3157	186.6	3.3	86.6	50.7	41.1
3 LANES UNDIVIDED	44	172.3	2.1	75.9	42.4	35.6
4+ UNDIVIDED NO	149	245.9	2.2	107.3	54.8	52.9
4+ DIVIDED NO	508	132.6	1.7	63.1	30.7	27.1
4+ DIVIDED PARTIAL	137	104.6	1.7	54.9	25.3	17.2
4+ DIVIDED FULL	286	56.6	1.1	24.7	17.9	11.5
TOTAL	4281	157.8	2.5	73.3	41.0	33.7

URBAN UNITED STATES ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	509	280.8	1.1	107.5	51.2	51.5
3 LANES UNDIVIDED*	6	264.8	0.0	95.2	41.4	45.5
4+ UNDIVIDED	298	421.9	0.9	161.3	87.5	88.5
4+ DIVIDED NO	138	355.0	0.8	129.5	80.1	75.0
4+ DIVIDED PARTIAL	59	170.1	0.6	64.3	38.1	35.8
4+ DIVIDED FULL	58	142.0	0.9	55.2	31.2	30.5
TOTAL	1069	315.9	0.9	119.6	65.2	64.3

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

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 TRAFFIC ENGINEERING BRANCH  
 ACCIDENT RATES  
1988  
 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	6829	217.2	3.9	104.2	63.8	42.4
3 LANES UNDIVIDED *	12	330.8	0.0	190.1	119.7	98.5
4+ UNDIVIDED NO	50	271.9	2.8	114.5	62.2	56.1
4+ DIVIDED NO	66	168.7	1.8	66.4	55.3	35.2
4+ DIVIDED PARTIAL *	17	99.3	1.8	50.5	18.0	21.7
4+ DIVIDED FULL *	15	8.8	0.0	2.9	0.7	2.2
TOTAL	6990	212.2	3.7	100.9	62.0	41.7

URBAN NORTH CAROLINA ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	680	289.6	1.2	116.5	52.6	53.9
3 LANES UNDIVIDED *	1	1063.7	0.0	335.9	56.0	168.0
4+ UNDIVIDED	137	396.2	0.3	152.5	84.4	75.3
4+ DIVIDED NO	36	476.4	0.4	179.9	105.6	98.4
4+ DIVIDED PARTIAL *	1	244.6	0.0	88.9	55.6	33.4
4+ DIVIDED FULL *	24	17.5	0.0	6.9	3.4	4.5
TOTAL	878	296.2	0.7	116.3	58.4	56.4

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

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 TRAFFIC ENGINEERING BRANCH  
 ACCIDENT RATES

1988  
 BY ROAD TYPES & SYSTEMS

RURAL ALL PRIMARY ROUTES *SR-*

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	9986	204.0	3.7	96.6	58.2	41.9
3 LANES UNDIVIDED	56	186.4	1.9	86.0	49.2	41.1
4+ UNDIVIDED NO	199	251.5	2.3	108.8	56.5	53.7
4+ DIVIDED NO	574	136.8	1.7	63.5	33.6	28.1
4+ DIVIDED PARTIAL	155	104.2	1.7	54.6	24.7	17.5
4+ DIVIDED FULL	987	57.6	1.2	24.0	18.2	11.6
TOTAL	11957	150.4	2.6	69.8	42.1	30.7

URBAN ALL PRIMARY ROUTES *SR-*

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	1189	285.3	1.1	112.1	51.9	52.7
3 LANES UNDIVIDED *	7	319.8	0.0	111.7	42.4	53.9
4+ UNDIVIDED	437	413.1	0.7	158.4	86.4	84.2
4+ DIVIDED NO	174	377.8	0.7	138.9	84.8	79.4
4+ DIVIDED PARTIAL	60	171.4	0.6	64.8	38.4	35.8
4+ DIVIDED FULL	200	138.3	0.8	55.6	34.6	30.0
TOTAL	2066	284.4	0.8	109.7	59.4	57.1

ALL PRIMARY ROUTES *SR-*

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	11175	220.9	3.1	99.8	56.9	44.1
3 LANES UNDIVIDED	62	204.9	1.6	89.6	48.3	42.9
4+ UNDIVIDED	636	373.0	1.1	146.1	79.0	76.6
4+ DIVIDED NO	748	220.2	1.3	89.6	51.3	45.8
4+ DIVIDED PARTIAL	215	131.6	1.3	58.7	30.3	25.0
4+ DIVIDED FULL	1187	79.7	1.1	32.6	22.7	16.6
TOTAL	14023	191.1	2.1	81.9	47.4	38.8

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 TRAFFIC ENGINEERING BRANCH  
 ACCIDENT RATES  
1986-88  
 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	687	50.8	1.1	21.2	16.4	9.6
TOTAL	687	50.8	1.1	21.2	16.4	9.6

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	119	153.3	1.0	62.2	41.6	35.5
TOTAL	119	153.3	1.0	62.2	41.6	35.5

NOTE: Includes only route segments with computerized traffic volume

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 TRAFFIC ENGINEERING BRANCH  
 ACCIDENT RATES  
1986-88  
 BY ROAD TYPES & SYSTEMS

RURAL UNITED STATES ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	NON-FAT				
		TOTAL	FATAL	INJURY	NIGHT	WET
2 LANES UNDIVIDED	3157	188.0	3.7	88.3	53.7	41.7
3 LANES UNDIVIDED	44	170.4	3.4	76.0	43.4	31.7
4+ UNDIVIDED NO	149	255.1	2.8	109.6	62.7	56.3
4+ DIVIDED NO	508	131.7	1.7	62.3	34.4	27.7
4+ DIVIDED PARTIAL	137	101.2	1.5	51.4	25.6	18.6
4+ DIVIDED FULL	286	53.6	0.9	22.3	17.8	11.4
TOTAL	4281	158.3	2.7	73.7	43.9	34.4

URBAN UNITED STATES ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	NON-FAT				
		TOTAL	FATAL	INJURY	NIGHT	WET
2 LANES UNDIVIDED	509	282.8	1.1	106.2	52.5	57.0
3 LANES UNDIVIDED*	6	258.4	0.0	88.4	29.0	45.6
4+ UNDIVIDED	298	413.0	1.0	160.5	89.5	87.1
4+ DIVIDED NO	138	359.7	1.0	133.3	80.8	75.5
4+ DIVIDED PARTIAL	59	181.4	0.9	72.7	45.7	44.7
4+ DIVIDED FULL	58	135.6	0.8	51.2	31.1	33.7
TOTAL	1069	314.8	1.0	120.0	66.9	66.7

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



TRAFFIC ENGINEERING BRANCH  
 ACCIDENT RATES  
 1986-88  
 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	6829	214.2	3.7	101.5	65.7	43.1
3 LANES UNDIVIDED *	12	317.3	2.4	166.9	108.1	79.9
4+ UNDIVIDED NO	50	273.3	2.0	114.9	64.9	58.8
4+ DIVIDED NO	66	187.8	1.8	78.9	61.7	39.3
4+ DIVIDED PARTIAL *	17	91.6	2.4	44.0	23.5	13.9
4+ DIVIDED FULL *	15	4.4	0.0	1.5	0.7	1.2
TOTAL	6990	210.0	3.5	98.8	64.1	42.4

URBAN NORTH CAROLINA ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	FATAL	NON-FAT INJURY	NIGHT	WET
2 LANES UNDIVIDED	680	285.5	1.6	113.0	57.2	54.9
3 LANES UNDIVIDED *	1	1308.7	0.0	411.3	168.3	205.7
4+ UNDIVIDED	137	384.1	0.6	153.8	84.3	76.2
4+ DIVIDED NO	36	462.9	0.4	172.5	107.0	101.0
4+ DIVIDED PARTIAL *	1	237.6	0.0	74.3	66.8	44.6
4+ DIVIDED FULL *	24	18.8	0.0	8.0	4.8	4.9
TOTAL	878	290.2	1.0	114.4	61.3	57.5

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

TRAFFIC ENGINEERING BRANCH  
ACCIDENT RATES  
1986-88

BY ROAD TYPES & SYSTEMS

RURAL ALL PRIMARY ROUTES

SR-

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	FATAL	NON-FAT INJURY	NIGHT	WET
2 LANES UNDIVIDED	9986	202.9	3.7	95.8	60.5	42.5
3 LANES UNDIVIDED	56	183.4	3.3	84.1	49.1	36.0
4+ UNDIVIDED NO	199	259.0	2.6	110.9	63.2	56.7
4+ DIVIDED NO	574	138.2	1.7	64.2	37.6	29.0
4+ DIVIDED PARTIAL	155	100.5	1.6	50.9	25.4	18.2
4+ DIVIDED FULL	987	50.3	1.0	21.0	16.3	9.7
TOTAL	11957	147.8	2.5	68.5	43.4	30.7

URBAN ALL PRIMARY ROUTES

SR-

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	FATAL	NON-FAT INJURY	NIGHT	WET
2 LANES UNDIVIDED	1189	284.2	1.3	109.7	54.9	55.9
3 LANES UNDIVIDED *	7	330.6	0.0	110.6	38.6	56.6
4+ UNDIVIDED	437	403.2	0.9	158.1	87.7	83.6
4+ DIVIDED NO	174	379.1	0.9	140.6	85.8	80.3
4+ DIVIDED PARTIAL	60	182.4	0.9	72.8	46.1	44.7
4+ DIVIDED FULL	200	129.6	0.8	51.7	33.9	30.7
TOTAL	2066	280.0	1.0	108.5	61.0	58.7

ALL PRIMARY ROUTES

SR-

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	FATAL	NON-FAT INJURY	NIGHT	WET
2 LANES UNDIVIDED	11175	219.8	3.2	98.7	59.4	45.3
3 LANES UNDIVIDED	62	203.9	2.9	87.8	47.7	38.9
4+ UNDIVIDED	636	367.5	1.3	146.4	81.6	76.9
4+ DIVIDED NO	748	221.6	1.4	90.7	54.3	46.8
4+ DIVIDED PARTIAL	215	133.9	1.3	59.8	33.8	29.0
4+ DIVIDED FULL	1187	72.0	1.0	29.4	21.1	15.5
TOTAL	14023	188.0	2.1	80.7	48.7	39.2

NOTE: Includes only

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 TRAFFIC ENGINEERING BRANCH  
TRUCK ACCIDENT RATES  
 1986-88  
 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	687	12.1	0.4	4.8	4.1	1.8
TOTAL	687	12.1	0.4	4.8	4.1	1.8

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	119	23.5	0.2	8.1	5.2	4.6
TOTAL	119	23.5	0.2	8.1	5.2	4.6

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	3157	12.6	0.7	5.7	2.9	2.6
3 LANES UNDIVIDED	44	7.5	0.2	3.7	1.1	0.5
4+ UNDIVIDED NO	149	12.1	0.4	5.2	2.2	2.4
4+ DIVIDED NO	508	10.2	0.2	4.3	2.3	2.0
4+ DIVIDED PARTIAL	137	6.8	0.2	3.0	1.3	1.2
4+ DIVIDED FULL	286	4.8	0.2	1.6	1.5	0.4
TOTAL	4281	10.7	0.5	4.7	2.4	2.1

URBAN UNITED STATES ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	NON-FAT			WET
			FATAL	INJURY	NIGHT	
2 LANES UNDIVIDED	509	12.0	0.1	3.1	1.3	2.0
3 LANES UNDIVIDED*	6	1.4	0.0	1.4	0.0	0.0
4+ UNDIVIDED	298	15.4	0.1	3.9	2.1	2.7
4+ DIVIDED NO	138	22.9	0.3	6.3	4.0	3.5
4+ DIVIDED PARTIAL	59	13.9	0.0	4.6	2.3	2.4
4+ DIVIDED FULL	58	8.1	0.1	3.3	1.0	1.9
TOTAL	1069	14.9	0.2	4.1	2.1	2.5

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

TRAFFIC ENGINEERING BRANCH  
TRUCK ACCIDENT RATES  
 1986-88  
 BY ROAD TYPES & SYSTEMS

RURAL ALL PRIMARY ROUTES *SR*

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	FATAL	NON-FAT INJURY	NIGHT	WET
2 LANES UNDIVIDED	9986	11.0	0.6	4.9	2.5	2.1
3 LANES UNDIVIDED	56	8.7	0.2	5.2	1.5	0.8
4+ UNDIVIDED NO	199	12.5	0.3	5.2	2.8	2.5
4+ DIVIDED NO	574	9.9	0.2	4.1	2.4	2.0
4+ DIVIDED PARTIAL	155	6.5	0.2	2.8	1.2	1.1
4+ DIVIDED FULL	987	10.6	0.3	4.1	3.6	1.6
TOTAL	11957	10.7	0.4	4.5	2.8	1.9

URBAN ALL PRIMARY ROUTES *SR*

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	FATAL	NON-FAT INJURY	NIGHT	WET
2 LANES UNDIVIDED	1189	11.6	0.2	3.2	1.4	1.8
3 LANES UNDIVIDED *	7	2.6	0.0	1.3	0.0	0.0
4+ UNDIVIDED	437	15.0	0.1	3.8	2.1	2.5
4+ DIVIDED NO	174	21.0	0.3	5.7	3.5	3.5
4+ DIVIDED PARTIAL	60	14.7	0.0	4.7	2.5	2.6
4+ DIVIDED FULL	200	16.8	0.2	6.0	3.6	3.3
TOTAL	2066	15.2	0.1	4.5	2.5	2.6

ALL PRIMARY ROUTES *SR*

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM MILES	TOTAL	FATAL	NON-FAT INJURY	NIGHT	WET
2 LANES UNDIVIDED	11175	11.1	0.5	4.6	2.2	2.0
3 LANES UNDIVIDED	62	7.9	0.2	4.7	1.3	0.7
4+ UNDIVIDED	636	14.4	0.2	4.1	2.3	2.5
4+ DIVIDED NO	748	13.8	0.2	4.7	2.8	2.5
4+ DIVIDED PARTIAL	215	9.8	0.1	3.6	1.8	1.7
4+ DIVIDED FULL	1187	12.3	0.3	4.6	3.6	2.0
TOTAL	14023	12.0	0.3	4.5	2.7	2.1

NOTE: Includes only route segments with computerized traffic volume

TRAFFIC ENGINEERING BRANCH  
TRUCK ACCIDENT RATES  
 1986-88  
 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		6829	9.8	0.5	4.4	2.1	1.7
3 LANES UNDIVIDED *		12	21.2	0.0	21.2	4.7	4.7
4+ UNDIVIDED NO		50	13.4	0.2	5.0	4.4	2.9
4+ DIVIDED NO		66	7.7	0.2	2.6	2.9	1.8
4+ DIVIDED PARTIAL *		17	3.6	0.6	1.2	0.0	0.0
4+ DIVIDED FULL *		15	0.0	0.0	0.0	0.0	0.0
TOTAL		6990	9.6	0.4	4.2	2.2	1.7

URBAN NORTH CAROLINA ROUTES

Accident Rates (per 100MVM)

ROAD TYPES	SYSTEM	MILES	TOTAL	FATAL	NON-FAT INJURY	NIGHT	WET
2 LANES UNDIVIDED		680	11.2	0.2	3.2	1.5	1.6
3 LANES UNDIVIDED *		1	18.7	0.0	0.0	0.0	0.0
4+ UNDIVIDED		137	13.4	0.0	3.2	1.9	2.1
4+ DIVIDED NO		36	12.8	0.0	3.0	1.6	3.2
4+ DIVIDED PARTIAL *		1	55.7	0.0	7.4	14.9	11.1
4+ DIVIDED FULL *		24	1.4	0.0	0.5	0.4	0.2
TOTAL		878	10.8	0.1	2.9	1.5	1.7

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