

Center for
National Truck Statistics

**Freightliner Trucks Involved in Fatal Accidents
1991-1993**

CENTER FOR NATIONAL TRUCK STATISTICS

UMTRI

The University of Michigan
Transportation Research Institute

**FREIGHTLINER TRUCKS INVOLVED IN FATAL ACCIDENTS
CODEBOOK, 1991-1993
(Version August 23, 1995)**

**Center for National Truck Statistics
University of Michigan Transportation Research Institute
August 1995**

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INTRODUCTION

Overview

This report documents the August 23, 1995, version of the Freightliner Trucks Involved in Fatal Accidents, 1991-1993, dataset. The report summarizes all the information in the computerized data file. That file contains records for all the medium and heavy trucks that were involved in a fatal accident in the United States during calendar years 1991-1993. (Alaska and Hawaii were included for the first time in 1993.) Trucks with a gross vehicle weight rating of 10,000 pounds or less, primarily pickups, are excluded as nonsample. All the vehicles described are from the Fatal Accident Reporting System (FARS) files for 1991 through 1993. The FARS files are developed by the National Highway Traffic Safety Administration (NHTSA).

The 1991-1993 TIFA file combines sample files for 1991 and 1992 with a census file for 1993. The goal of sampling was to limit the number of interview cases while preserving the accuracy and comprehensiveness of the TIFA file. Accordingly, after the FARS cases were matched with OMC cases (described below), and after nonsample vehicles were removed from the file, sampling was done on cases that the FARS configuration variables showed to be either a straight truck with no trailer or a tractor pulling a semitrailer. Those two truck configurations are the two most common as well as the two most likely to be identified accurately in FARS. The Body Type and Vehicle Trailering variables in FARS were used to identify the trucks for sampling. After removing the cases matched with OMC reports (which are included in the TIFA file with certainty) and sorting to ensure even coverage across the accident year, an interval selection procedure was employed within each accident state to select every other case. The cases thus sampled are included in the file with a sample weight of two. The remaining cases in TIFA include the cases from 1991 and 1992 that were matched with OMC, the 1991-1992 cases that, from the FARS codings, did not appear to be a straight truck with no trailer or tractor-semitrailer, as well as all cases from 1993, which is a census file. All of these cases have a weight of one. Sample weights are recorded in variable 1076.

This codebook documents the weighted frequencies and percentage distributions for all numeric variables in the file. The first two columns provide frequencies and distributions for all trucks involved in accidents, with the heading "ALL" for the frequency column. The second two columns provide frequencies and percentages for all the Freightliner vehicles in the file, with the heading "FLNR" for the frequency column. This provides for easy comparison between distributions for Freightliner trucks involved in fatal accidents and the whole medium and heavy truck population involved in fatal accidents. The Freightliner subset was obtained by filtering on variable 1001, code 5.

The 1991 FARS file changed substantially from previous years. New variables were added, many variables were renumbered, and the code levels of several variables were changed. The TIFA survey form was also revised for the 1991 data year. The changes included adding alpha variables to record the actual cargo, truck model, truck configuration, and cargo body style; adding new levels to the variables for cargo type and cargo body style; and adding variables to record lift axles on each unit in the combination. In addition, several variables taken from the MCS 50-T were dropped. No significant changes in the FARS file or TIFA survey form were made in 1992 or 1993. Because of the changes made to the TIFA survey form in 1991, the 1991-1993 file offers even more detail on the physical configuration of the trucks involved in fatal accidents than earlier years (1980-1990). As a consequence, however, the variable numbers and code values in the 1991-1993 TIFA file are not fully consistent with the files for 1980 through 1990. Accordingly, codebooks for prior years of TIFA should not be used as a key to the 1991-1993 TIFA dataset.

Mississippi did not send any police reports. There were 287 FARS cases for Mississippi for the three data years. Matches were made with MCS 50-T reports for 36 of the 1991-1992 Mississippi cases. The remaining Mississippi cases are included in the file, but with all the interview variables left unknown. There was also one missing police report from Maryland in 1991, five from Florida in 1992, and one from Indiana in 1993. For these cases, as well as the Mississippi cases, Interview (Variable 1063) has been coded "no" (2), Police Report (Variable 1064) has been coded "no" and MCS 50-T (Variable 1065) has been coded "no" (2). In addition, in each of the three years the State of Iowa did not send police reports. However, they did send a list of the names and addresses of the owners and drivers of involved trucks. This information was used to contact those owners and drivers for interviews.

The dataset includes virtually all the variables from the public version of the FARS file: the accident variables, the vehicle variables (for the truck), and the occupant variables (for the driver of the truck). A few cases had no occupant record because the vehicle was not occupied at the time of the accident. These cases have been padded with the appropriate missing data codes. All variables are at the vehicle level; i.e., there is one record for each truck involved.

In addition to the variables from FARS (Variables 1 through 336), there is a set of variables (numbers 1001 through 1075) that contains the information from the TIFA survey form. The bulk of this information is produced by telephone interviews with the driver, owner, or some other involved party. Some of this information is transcribed from police reports collected from the states or from the MCS 50-T report submitted by interstate carriers of goods to the Office of Motor Carriers (OMC) in the Federal Highway Administration. Such carriers were required to report to OMC all accidents resulting in a fatality, in an injury that was treated away from the scene, or in property damage of

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FREIGHTLINER TRUCKS IN TIFA, 1991-1993

\$4,400 or more. (This reporting requirement was discontinued as of March 1993, so only 294 MCS 50-T forms were matched with 1993 FARS cases). The MCS 50-T form includes some information on the vehicle and its cargo that can be used to complete the survey form.

While the FARS file includes much information on the accident environment and events, the information on the vehicles involved, particularly trucks, is limited. Details about the physical configuration of the trucks involved are supplied by the TIFA survey form. The survey form is reproduced in the Appendix following the codebook. The TIFA survey produces a detailed physical description of the truck. These data include the cabstyle of the power unit; the weights, lengths, and axle counts of all units; trailer type, cargo body style, cargo type, and cargo weight; and the company type and operating authority of the operator of the vehicle. The combination of the FARS accident level variables with the physical detail of the TIFA survey produces the most detailed account of fatal truck accidents available.

Sources of Information

The first step in the acquisition of the data to supplement FARS was to obtain from the states copies of the police reports on all the fatal accidents involving at least one truck. While the format of these reports varies considerably from state to state, they all include the identities of the owner and the driver of the vehicles involved, and a description, sometimes very brief, of what occurred. These police reports were subsequently used in matching OMC cases to FARS cases, in identifying the appropriate respondent to contact when a match could not be made, and in checking responses for accuracy. As mentioned earlier, Mississippi and Iowa did not provide police accident reports for 1991-1993.

In 1991 and 1992, the police reports sent by the states were used to match the fatal cases reported to OMC with the corresponding case in FARS. The cases matched before sampling were included in the TIFA file with a sample weight of one, and the relevant information from the MCS 50-T form was transcribed onto the TIFA survey form. Where necessary, these cases were submitted to interview to complete the survey form. For the remaining, unmatched FARS cases, the obvious (by vehicle identification number) nonsample vehicles were deleted from the file. In 1991-1992, the sampling procedure described above was then followed, and in 1993 all cases were selected for interview.

Information was collected primarily by telephone interview. The person or company contacted was, when possible, the owner of the vehicle as listed in the police report. If no contact could be made with the owner, then an attempt was made to reach the driver. If neither the owner nor the driver could be reached, as much information as possible was collected from other parties, such as the police officer who investigated the accident or the tow truck operator if the vehicle was towed from the scene. Finally, if no knowledgeable respondent could be

found, as much information as possible was coded from the police report. For these cases Variable 1063, which documents whether or not an interview was conducted, would be coded "no," and Variable 1064, police report, would be coded "yes."

Missing data rates for TIFA survey variables are low. The range of missing data values is illustrated by the following examples from 1993. Power unit type (Variable 1007) could not be determined for only 87 (2.0%) of the 4,451 cases. Vehicle configuration (Variable 1048) is unknown for 87 (2.0%) cases. Gross vehicle weight rating (Variable 1050) could not be determined for 243 (5.5%) cases, and gross vehicle weight (Variable 1052) is unknown for 485 (10.9%) cases.

Each completed interview is carefully checked by an editor. All modifications to the survey responses received, either from an interview or an MCS 50-T form, are indicated in Variables 1066 through 1075. Also indicated there are imputations made by the editors to fill in missing data elements. The numbers coded in these variables are the question numbers on the interview form (see Appendix). Thus a "20" in Variable 1068 indicates that the third item corrected or derived for that particular case was the response to question 20 on the interview form. There is no particular pattern to the order in which such modifications are indicated. Derivations were made when the editor was able to deduce a piece of information to fill in something missing on the interview form. For example, an empty weight might have been estimated for a tractor by decoding the VIN to identify the model, consulting the manufacturer's specifications for the cab and chassis weight, and then adding the appropriate amount for added equipment.

Obtaining Information from the Dataset

This report provides counts and distributions of the code values for each variable in the file. These tabulations are useful for understanding the variables available in the file, the completeness of the data, and the number of cases with any specific code value.

Many research questions require more detailed cross-classification of the data. In general, different types of trucks are used differently. In comparing the accident experience of straight trucks with that of tractor-semitrailers, for example, one might wish to examine the distributions of trip type and carrier type. While this dataset is not accessible by public users of the Michigan Terminal System, the staff of the Center for National Truck Statistics at UMTRI will be pleased to make the appropriate runs for outside users. Requests for consultation on and analysis of the data are welcomed and may be addressed to Ken Campbell or Dan Blower at (313) 764-0248. The file has also been provided to the NHTSA's National Center for Statistics and Analysis. Finally, while every effort has been made to check the accuracy of the data, the file may contain errors as yet undetected.

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS ACCIDENT VARIABLES

Variable Number	Variable Name	Field Width	Character Type	Mult Resp	Page Number
1	CASE STATE	2	Numeric		17
2	CASE NUMBER	4	Numeric		18
7	CITY	4	Numeric		18
8	COUNTY	3	Numeric		18
9	ACCIDENT DATE - MONTH	2	Numeric		19
10	ACCIDENT DATE - DAY	2	Numeric		19
11	ACCIDENT DATE - YEAR	2	Numeric		19
12	ACCIDENT TIME - HOUR	2	Numeric		20
13	ACCIDENT TIME - MINUTE	2	Numeric		20
14	NUMBER OF VEHICLE FORMS	2	Numeric		21
15	NUMBER OF PERSON FORMS	2	Numeric		21
16	LAND USE	1	Numeric		21
17	FEDERAL-AID SYSTEM	1	Numeric		21
18	ROADWAY FUNCTION CLASS	2	Numeric		22
19	ROUTE SIGNING	1	Numeric		22
20	TRAFFICWAY IDENTIFIER	10	Alpha		23
21	MILEPOINT	5	Numeric		23
22	SPECIAL JURISDICTION	1	Numeric		23
23	FIRST HARMFUL EVENT	2	Numeric		23
24	MANNER OF COLLISION	1	Numeric		26
25	RELATION TO JUNCTION	2	Numeric		26
26	RELATION TO ROADWAY	1	Numeric		26
27	TRAFFICWAY FLOW	1	Numeric		27
28	NUMBER OF TRAVEL LANES	1	Numeric		27
29	SPEED LIMIT	2	Numeric		28
30	ROADWAY ALIGNMENT	1	Numeric		28
31	ROADWAY PROFILE	1	Numeric		28
32	ROADWAY SURFACE TYPE	1	Numeric		29
33	ROADWAY SURFACE CONDITION	1	Numeric		29
34	TRAFFIC CONTROL DEVICE	2	Numeric		29
35	TRAFFIC CONT FUNCTIONING	1	Numeric		31
36	HIT AND RUN	1	Numeric		31
37	LIGHT CONDITION	1	Numeric		31
38	ATMOSPHERIC CONDITIONS	1	Numeric		31
39	CONSTRUCTION/MAINT ZONE	1	Numeric		32
40	EMS NOTIFIED - HOUR	2	Numeric		32
41	EMS NOTIFIED - MINUTE	2	Numeric		32
42	EMS ARRIVAL - HOUR	2	Numeric		33
43	EMS ARRIVAL - MINUTE	2	Numeric		33
46	SCHOOL BUS RELATED	1	Numeric		33
48	RAIL GRADE CROSSING ID	7	Alpha		33
49	NUMBER FATALITIES IN ACC	2	Numeric		34
50	DAY OF WEEK	1	Numeric		34
51	NUMBER DRINKING DRIVERS	1	Numeric		34
52	ACCIDENT DATE - JULIAN	5	Numeric		34
53	NUMBER UNINJURED IN ACC	2	Numeric		35
54	NUMBER C-INJURED IN ACC	2	Numeric		35
55	NUMBER B-INJURED IN ACC	2	Numeric		35
56	NUMBER A-INJURED IN ACC	2	Numeric		36
57	NUMBER K-INJURED IN ACC	2	Numeric		36

FREIGHTLINER TRUCKS IN TIPA, 1991-1993
FARS ACCIDENT VARIABLES

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
58	NUM UNK INJURED IN ACC	2	Numeric		36
59	ACC. RELATED FACTORS-1	2	Numeric		36
60	ACC. RELATED FACTORS-2	2	Numeric		37
61	ACC. RELATED FACTORS-3	2	Numeric		38

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS VEHICLE VARIABLES

Variable Number	Variable Name	Field Width	Character Type	Mult Resp	Page Number
104	VEHICLE NUMBER	2	Numeric		39
107	NUMBER OF OCCUPANTS	2	Numeric		39
108	VEHICLE MAKE	2	Numeric		39
109	VEHICLE MAKE-MODEL	5	Numeric		40
110	BODY TYPE	2	Numeric		45
111	MODEL YEAR	2	Numeric		46
112	VIN	10	Alpha		46
123	REGISTRATION STATE	2	Numeric		46
124	REGISTERED VEHICLE OWNER	1	Numeric		48
125	ROLLOVER	1	Numeric		48
126	JACKKNIFE	1	Numeric		48
127	TRAVEL SPEED	2	Numeric		49
128	HAZARDOUS CARGO	1	Numeric		49
129	VEHICLE TRAILERING	1	Numeric		49
130	VEHICLE CONFIGURATION	1	Numeric		50
131	NUMBER OF AXLES	2	Numeric		50
132	CARGO BODY TYPE	2	Numeric		51
133	SPECIAL USE	1	Numeric		51
134	EMERGENCY USE	1	Numeric		51
135	IMPACT POINT - INITIAL	2	Numeric		52
136	IMPACT POINT - PRINCIPAL	2	Numeric		52
137	EXTENT OF DEFORMATION	1	Numeric		53
138	VEHICLE ROLE	1	Numeric		53
139	MANNER OF LEAVING SCENE	1	Numeric		53
140	FIRE OCCURRENCE	1	Numeric		53
142	VEHICLE MANEUVER	2	Numeric		54
143	CRASH AVOIDANCE MANUEVER	1	Numeric		54
144	MOST HARMFUL EVENT	2	Numeric		55
145	NUMBER OF DEATHS IN VEH	2	Numeric		57
151	VIN TRUCK FUEL CODE	1	Numeric		57
152	VIN TRUCK WEIGHT CODE	1	Numeric		57
153	VIN TRUCK SERIES	3	Alpha		58
155	LENGTH OF VIN	2	Numeric		58
156	NUMBER UNINJURED IN VEH	2	Numeric		58
157	NUMBER C-INJURED IN VEH	2	Numeric		58
158	NUMBER B-INJURED IN VEH	2	Numeric		59
159	NUMBER A-INJURED IN VEH	2	Numeric		59
160	NUMBER K-INJURED IN VEH	2	Numeric		59
161	NUM UNK INJURED IN VEH	2	Numeric		59
162	VEH. RELATED FACTORS-1	2	Numeric		60
163	VEH. RELATED FACTORS-2	2	Numeric		60

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS DRIVER VARIABLES

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
207	DRIVER PRESENCE	1	Numeric		63
208	DRIVER DRINKING	1	Numeric		63
209	LICENSE STATE	2	Numeric		63
210	LICENSE STATUS	1	Numeric		65
211	LICENSE CLASS COMPLIANCE	1	Numeric		65
212	CDL LICENSE STATUS	2	Numeric		65
213	LICENSE ENDORSEMENTS	1	Numeric		66
214	LICENSE RESTRICTIONS MET	1	Numeric		66
215	VIOLATIONS CHARGED	1	Numeric		67
216	NUMBER OF PREV ACCIDENTS	2	Numeric		67
217	NUMBER PREV SUSPENSIONS	2	Numeric		67
218	NUMBER OF PREV DWI CONV	2	Numeric		68
219	NUM PREV SPEEDING CONV	2	Numeric		68
220	NUM PREV OTHER MV CONV	2	Numeric		68
221	LAST ACCIDENT - MONTH	2	Numeric		69
222	LAST ACCIDENT - YEAR	2	Numeric		69
223	FIRST ACCIDENT - MONTH	2	Numeric		69
224	FIRST ACCIDENT - YEAR	2	Numeric		70
227	DRIVER RELATED FACTORS-1	2	Numeric		70
228	DRIVER RELATED FACTORS-2	2	Numeric		73
229	DRIVER RELATED FACTORS-3	2	Numeric		76

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS OCCUPANT VARIABLES

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
306	OCCUPANT NUMBER	2	Numeric		81
308	OCCUPANT AGE	2	Numeric		81
309	OCCUPANT SEX	1	Numeric		81
310	OCCUPANT TYPE	1	Numeric		81
311	OCC SEATING POSITION	2	Numeric		82
312	RESTRAINT SYSTEM USE	1	Numeric		82
313	AIR BAG AVAIL/FUNCTION	1	Numeric		82
314	OCCUPANT EJECTION	1	Numeric		82
315	EJECTION PATH	1	Numeric		83
316	OCCUPANT EXTRICATION	1	Numeric		83
318	OCC ALCOHOL INVOLVEMENT	1	Numeric		83
319	OCC METH ALC DETERMINAT	1	Numeric		83
320	OCC ALCOHOL TEST RESULT	2	Numeric		84
321	DRUG INVOLVEMENT	1	Numeric		84
322	DRUG DETERMINATION	1	Numeric		84
325	OCCUPANT INJURY SEVERITY	1	Numeric		85
326	OCC TAKEN TO HOSPITAL	1	Numeric		85
327	OCC DEATH DATE - MONTH	2	Numeric		85
328	OCC DEATH DATE - DAY	2	Numeric		86
329	OCC DEATH DATE - YEAR	2	Numeric		86
330	OCC DEATH TIME - HOURS	2	Numeric		86
331	OCC DEATH TIME - MINUTES	2	Numeric		87
332	LAG TIME ACC/DEATH - HRS	3	Numeric		87
336	OCC FATAL INJURY AT WORK	1	Numeric		87

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
SURVEY VARIABLES

Variable Number	Variable Name	Field Width	Character Type	Mult Resp	Page Number
1001	POWER UNIT MAKE	2	Numeric		89
1002	POWER UNIT YEAR	2	Numeric		89
1003	CAB STYLE	1	Numeric		90
1004	SLEEPER	1	Numeric		91
1005	FUEL TYPE	1	Numeric		91
1006	TRUCK MODEL	10	Alpha		91
1007	POWER UNIT TYPE	1	Numeric		91
1008	STRT. TRUCK BODY STYLE	2	Numeric		92
1009	POWER UNIT OTHER	10	Alpha		92
1010	POWER UNIT NO. OF AXLES	1	Numeric		92
1011	POWER UNIT LIFT AXLES	1	Numeric		93
1012	POWER UNIT LENGTH	3	Numeric		93
1013	POWER UNIT CARGO WEIGHT	6	Numeric		94
1014	POWER UNIT EMPTY WEIGHT	6	Numeric		94
1015	POWER UNIT CARGO	2	Numeric		94
1016	POWER UNIT HAZ. CARGO	1	Numeric		95
1017	1ST TRAILER TYPE	1	Numeric		95
1018	1ST TRAILER NO. OF AXLES	2	Numeric		95
1019	1ST TRAILER LIFT AXLES	1	Numeric		96
1020	1ST TRAILER EMPTY WEIGHT	6	Numeric		96
1021	1ST TRAILER CARGO WEIGHT	6	Numeric		96
1022	1ST TRAILER LENGTH	3	Numeric		97
1023	1ST TRAILER BODY	2	Numeric		98
1024	1ST TRAILER OTHER BODY	10	Alpha		99
1025	1ST TRAILER CARGO	2	Numeric		99
1026	1ST TRAILER HAZ. CARGO	1	Numeric		99
1027	2ND TRAILER TYPE	1	Numeric		100
1028	2ND TRAILER NO. OF AXLES	2	Numeric		100
1029	2ND TRAILER LIFT AXLES	1	Numeric		100
1030	2ND TRAILER EMPTY WEIGHT	6	Numeric		100
1031	2ND TRAILER CARGO WEIGHT	6	Numeric		101
1032	2ND TRAILER LENGTH	3	Numeric		101
1033	2ND TRAILER BODY	2	Numeric		102
1034	2ND TRAILER OTHER BODY	10	Alpha		102
1035	2ND TRAILER CARGO	2	Numeric		103
1036	2ND TRAILER HAZ. CARGO	1	Numeric		103
1037	3RD TRAILER TYPE	1	Numeric		103
1038	3RD TRAILER NO. OF AXLES	2	Numeric		104
1039	3RD TRAILER LIFT AXLES	1	Numeric		104
1040	3RD TRAILER EMPTY WEIGHT	6	Numeric		104
1041	3RD TRAILER CARGO WEIGHT	6	Numeric		104
1042	3RD TRAILER LENGTH	3	Numeric		105
1043	3RD TRAILER BODY	2	Numeric		105
1044	3RD TRAILER OTHER BODY	10	Alpha		105
1045	3RD TRAILER CARGO	2	Numeric		106
1046	3RD TRAILER HAZ. CARGO	1	Numeric		106
1047	VEHICLE COMPONENTS	10	Alpha		106
1048	VEHICLE COMBINATION CODE	2	Numeric		107
1049	NUMBER OF TRAILERS	1	Numeric		108
1050	TIFA GVWR	1	Numeric		108

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
SURVEY VARIABLES

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
1051	EMPTY COMBINATION WEIGHT	6	Numeric		108
1052	GROSS WEIGHT	6	Numeric		108
1053	TOTAL LENGTH	3	Numeric		109
1054	TOTAL WIDTH	3	Numeric		109
1055	ACTUAL CARGO	20	Alpha		109
1056	CARGO SPILLAGE	1	Numeric		109
1057	AREA OF OPERATION	1	Numeric		110
1058	OPERATING AUTHORITY	1	Numeric		110
1059	CARRIER TYPE	1	Numeric		110
1060	OWNER/OPERATOR	1	Numeric		110
1061	TRIP TYPE	1	Numeric		111
1062	HOURS DRIVING	2	Numeric		111
1063	INTERVIEW	1	Numeric		111
1064	POLICE REPORT	1	Numeric		112
1065	MCS 50-T	1	Numeric		112
1066	1ST QUESTION DERIVED	2	Numeric		113
1067	2ND QUESTION DERIVED	2	Numeric		113
1068	3RD QUESTION DERIVED	2	Numeric		114
1069	4TH QUESTION DERIVED	2	Numeric		114
1070	5TH QUESTION DERIVED	2	Numeric		114
1071	6TH QUESTION DERIVED	2	Numeric		115
1072	7TH QUESTION DERIVED	2	Numeric		115
1073	8TH QUESTION DERIVED	2	Numeric		115
1074	9TH QUESTION DERIVED	2	Numeric		116
1075	10TH QUESTION DERIVED	2	Numeric		116
1076	SAMPLE WEIGHT	2	Numeric		116

The ACCIDENT Variables

Variables 1 through 61 are the FARS variables that describe the accident.

Variable	1	CASE STATE	MD1: None	Field Width: 2
			MD2: None	Type: Numeric

	ALL Prcnt	FLNR Prcnt	CASE STATE
412	3.2	66 3.7	01. Alabama
3	0.0	0 0.0	02. Alaska
199	1.5	33 1.8	04. Arizona
280	2.1	52 2.9	05. Arkansas
1137	8.7	273 15.2	06. California
151	1.2	19 1.1	08. Colorado
74	0.6	4 0.2	09. Connecticut
60	0.5	7 0.4	10. Delaware
7	0.1	0 0.0	11. District of Columbia
787	6.0	90 5.0	12. Florida
501	3.8	49 2.7	13. Georgia
4	0.0	0 0.0	15. Hawaii
59	0.5	11 0.6	16. Idaho
468	3.6	59 3.3	17. Illinois
398	3.1	60 3.3	18. Indiana
222	1.7	32 1.8	19. Iowa
166	1.3	22 1.2	20. Kansas
299	2.3	29 1.6	21. Kentucky
258	2.0	45 2.5	22. Louisiana
62	0.5	6 0.3	23. Maine
177	1.4	12 0.7	24. Maryland
93	0.7	5 0.3	25. Massachusetts
357	2.7	51 2.8	26. Michigan
198	1.5	24 1.3	27. Minnesota
268	2.1	10 0.6	28. Mississippi
360	2.8	54 3.0	29. Missouri
58	0.4	18 1.0	30. Montana
132	1.0	31 1.7	31. Nebraska
67	0.5	13 0.7	32. Nevada
31	0.2	3 0.2	33. New Hampshire
245	1.9	27 1.5	34. New Jersey
142	1.1	16 0.9	35. New Mexico
487	3.7	43 2.4	36. New York
539	4.1	76 4.2	37. North Carolina
43	0.3	8 0.4	38. North Dakota
545	4.2	72 4.0	39. Ohio
220	1.7	38 2.1	40. Oklahoma
187	1.4	37 2.1	41. Oregon
597	4.6	73 4.1	42. Pennsylvania

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS ACCIDENT VARIABLES

ALL Prcnt	FLNR Prcnt	Var 1	CASE STATE	
0	0.0	0	0.0	43. Puerto Rico
20	0.2	1	0.1	44. Rhode Island
263	2.0	28	1.6	45. South Carolina
54	0.4	8	0.4	46. South Dakota
334	2.6	41	2.3	47. Tennessee
1005	7.7	138	7.7	48. Texas
80	0.6	11	0.6	49. Utah
41	0.3	2	0.1	50. Vermont
320	2.5	28	1.6	51. Virginia
168	1.3	29	1.6	53. Washington
130	1.0	18	1.0	54. West Virginia
277	2.1	24	1.3	55. Wisconsin
45	0.3	5	0.3	56. Wyoming

Variable 2 CASE NUMBER MD1: None Field Width: 4
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	CASE NUMBER ASSIGNED WITHIN STATES
22	0.2	2 0.1 0001.
0	0.0	0 0.0 - Case number 9999.

Variable 7 CITY MD1: 9999 Field Width: 4
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	CITY - GSA GEOGRAPHIC LOCATION CODE
8892	68.2	1265 70.2 0000. Not applicable
0	0.0	0 0.0 0001.
0	0.0	0 0.0 - GSA code 9996.
44	0.3	4 0.2 9997. Other
5	0.0	0 0.0 9999. Unknown

Variable 8 COUNTY MD1: 999 Field Width: 3
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	COUNTY - GSA GEOGRAPHIC LOCATION CODE
1	0.0	0 0.0 000. Not applicable
240	1.8	30 1.7 001.
0	0.0	0 0.0 - GSA code 996.
6	0.0	0 0.0 997. Other

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS ACCIDENT VARIABLES

ALL Prcnt	FLNR Prcnt	Var 3	COUNTY
1 0.0	0 0.0	999.	Unknown

Variable	9	ACCIDENT DATE - MONTH	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	ACCIDENT DATE - MONTH
1025	7.9	134 7.4 01. January
921	7.1	130 7.2 02. February
936	7.2	138 7.7 03. March
963	7.4	115 6.4 04. April
997	7.7	156 8.7 05. May
1123	8.6	165 9.2 06. June
1127	8.6	165 9.2 07. July
1290	9.9	180 10.0 08. August
1165	8.9	168 9.3 09. September
1326	10.2	177 9.8 10. October
1080	8.3	135 7.5 11. November
1077	8.3	138 7.7 12. December

Variable	10	ACCIDENT DATE - DAY	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	ACCIDENT DATE - DAY
397	3.0	57 3.2 01.
		- . Day of month
242	1.9	32 1.8 31.

Variable	11	ACCIDENT DATE - YEAR	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	ACCIDENT DATE - YEAR
4404	33.8	596 33.1 91. 1991
4175	32.0	576 32.0 92. 1992
4451	34.2	629 34.9 93. 1993

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FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS ACCIDENT VARIABLES

Variable 12 ACCIDENT TIME - HOUR MD1: 99 Field Width: 2
 MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		ACCIDENT TIME - HOUR
349	2.7	59	3.3	00. 12:01 am - 12:59 am
364	2.8	67	3.7	01. 1:00 am - 1:59 am
377	2.9	74	4.1	02. 2:00 am - 2:59 am
325	2.5	56	3.1	03. 3:00 am - 3:59 am
376	2.9	64	3.6	04. 4:00 am - 4:59 am
464	3.6	69	3.8	05. 5:00 am - 5:59 am
608	4.7	71	3.9	06. 6:00 am - 6:59 am
645	5.0	63	3.5	07. 7:00 am - 7:59 am
632	4.9	63	3.5	08. 8:00 am - 8:59 am
625	4.8	79	4.4	09. 9:00 am - 9:59 am
769	5.9	75	4.2	10. 10:00 am - 10:59 am
790	6.1	94	5.2	11. 11:00 am - 11:59 am
706	5.4	79	4.4	12. 12:00 pm - 12:59 pm
774	5.9	94	5.2	13. 1:00 pm - 1:59 pm
837	6.4	121	6.7	14. 2:00 pm - 2:59 pm
830	6.4	86	4.8	15. 3:00 pm - 3:59 pm
665	5.1	69	3.8	16. 4:00 pm - 4:59 pm
522	4.0	81	4.5	17. 5:00 pm - 5:59 pm
519	4.0	85	4.7	18. 6:00 pm - 6:59 pm
430	3.3	84	4.7	19. 7:00 pm - 7:59 pm
372	2.9	55	3.1	20. 8:00 pm - 8:59 pm
309	2.4	60	3.3	21. 9:00 pm - 9:59 pm
369	2.8	74	4.1	22. 10:00 pm - 10:59 pm
356	2.7	75	4.2	23. 11:00 pm - 11:59 pm
4	0.0	1	0.1	24. 12:00 midnight
13	0.1	3	0.2	99. Unknown

Variable 13 ACCIDENT TIME - MINUTE MD1: 99 Field Width: 2
 MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		ACCIDENT TIME - MINUTE
1121	8.6	184	10.2	00. - . Minute
78	0.6	9	0.5	59.
15	0.1	3	0.2	99. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS ACCIDENT VARIABLES

Variable	14	<u>NUMBER OF VEHICLE FORMS</u>		MD1:	None	Field Width:	2
				MD2:	None	Type:	Numeric

ALL Prct		FLNR Prct		NUMBER OF VEHICLES INVOLVED IN ACCIDENT			
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2279	17.5	343	19.0	01.			
				- .	Number submitted		
2	0.0	0	0.0	38.			

Variable	15	<u>NUMBER OF PERSON FORMS</u>		MD1:	None	Field Width:	2
				MD2:	None	Type:	Numeric

Does not include uninjured bus or railway train occupants

ALL Prct		FLNR Prct		NUMBER OF PERSONS INVOLVED IN ACCIDENT			
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953	7.3	155	8.6	01.			
				- .	Number submitted		
6	0.0	4	0.2	59.			

Variable	16	<u>LAND USE</u>		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric

LAND USE - FHWA CLASSIFICATION

ALL Prct		FLNR Prct		Recode of Roadway Function Class			
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4235	32.5	560	31.1	1.	Urban area		
8630	66.2	1223	67.9	2.	Rural area		
165	1.3	18	1.0	9.	Unknown		

Variable	17	<u>FEDERAL-AID SYSTEM</u>		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric

ALL Prct		FLNR Prct		TA-1 CLASS - FHWA CLASSIFICATION			
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2785	21.4	516	28.7	1.	Interstate		
5838	44.8	830	46.1	2.	Federal-Aid primary (other than interstate)		
1181	9.1	109	6.1	3.	Federal-Aid urban		
1389	10.7	159	8.8	4.	Federal-Aid secondary (rural only)		
1116	8.6	97	5.4	5.	Nonfederal-Aid		
721	5.5	90	5.0	9.	Unknown		

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS ACCIDENT VARIABLES

Variable	18	ROADWAY FUNCTION CLASS	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	ROADWAY FUNCTION CLASS		
		Rural		
1677	12.9	326	18.1	01. Principal arterial - interstate
2730	21.0	427	23.7	02. Principal arterial - other
1982	15.2	234	13.0	03. Minor arterial
1479	11.4	170	9.4	04. Major collector
215	1.7	21	1.2	05. Minor collector
469	3.6	35	1.9	06. Local road or street
78	0.6	10	0.6	09. Unknown rural
		Urban		
1179	9.0	202	11.2	11. Principal arterial - interstate
519	4.0	79	4.4	12. Principal arterial - other freeways or expressways
1439	11.0	175	9.7	13. Other principal arterial
577	4.4	47	2.6	14. Minor arterial
145	1.1	17	0.9	15. Collector
346	2.7	34	1.9	16. Local road or street
30	0.2	6	0.3	19. Unknown urban
165	1.3	18	1.0	99. Unknown

Variable	19	ROUTE SIGNING	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	ROUTE SIGNING		
2890	22.2	534	29.7	1. Interstate
3650	28.0	528	29.3	2. U.S. highway
3900	29.9	468	26.0	3. State highway
1101	8.4	115	6.4	4. County road
		Local Street		
197	1.5	15	0.8	5. Township
924	7.1	101	5.6	6. Municipality
193	1.5	17	0.9	8. Other
175	1.3	23	1.3	9. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS ACCIDENT VARIABLES

Variable	20	<u>TRAFFICWAY IDENTIFIER</u>	MD1: None	Field Width: 10
			MD2: None	Type: Alphabetic

ALL Prcnt	FLNR Prcnt	TRAFFICWAY IDENTIFIER
		9999999999. Unknown

Variable	21	<u>MILEPOINT</u>	MD1: 99999	Field Width: 5
			MD2: None	Type: Numeric

ALL Prcnt	FLNR Prcnt	MILEPOINT
2212 17.0	262 14.5	00000. None
60 0.5	8 0.4	00001.
		- . Actual to nearest .1 mile
0 0.0	0 0.0	99998.
1338 10.3	155 8.6	99999. Unknown

Variable	22	<u>SPECIAL JURISDICTION</u>	MD1: 9	Field Width: 1
			MD2: None	Type: Numeric

ALL Prcnt	FLNR Prcnt	SPECIAL JURISDICTION
12966 99.5	1798 99.8	0. No special jurisdiction
6 0.0	0 0.0	1. National Park Service
9 0.1	0 0.0	2. Military
28 0.2	1 0.1	3. Indian reservation
2 0.0	0 0.0	4. College/University campus
9 0.1	2 0.1	5. Other Federal properties
1 0.0	0 0.0	8. Other
9 0.1	0 0.0	9. Unknown

Variable	23	<u>FIRST HARMFUL EVENT</u>	MD1: 99	Field Width: 2
			MD2: None	Type: Numeric

ALL Prcnt	FLNR Prcnt	1ST EVENT CAUSING INJURY/PROP. DAMAGE
518 4.0	99 5.5	01. Overturn
5 0.0	1 0.1	02. Fire/explosion
0 0.0	0 0.0	03. Immersion
0 0.0	0 0.0	04. Gas inhalation
61 0.5	1 0.1	05. Fell from vehicle
2 0.0	1 0.1	06. Injured in vehicle
38 0.3	6 0.3	07. Other noncollision
887 6.8	109 6.1	08. Pedestrian
186 1.4	23 1.3	09. Pedalcycle

FREIGHTLINER TRUCKS IN TIPA, 1991-1993
FARS ACCIDENT VARIABLES

ALL	Prcnt	FLNR	Prcnt	Var 23	FIRST HARMFUL EVENT
90	0.7	14	0.8	10.	Railway train
26	0.2	5	0.3	11.	Animal
9815	75.3	1289	71.6	12.	Motor-vehicle in transport
395	3.0	79	4.4	13.	Motor-vehicle in transport in other roadway
114	0.9	31	1.7	14.	Parked motor-vehicle
12	0.1	0	0.0	15.	Other type nonmotorist
6	0.0	0	0.0	16.	Thrown or falling object
2	0.0	0	0.0	17.	Boulder
41	0.3	7	0.4	18.	Other object (not fixed)
7	0.1	1	0.1	19.	Building
6	0.0	1	0.1	20.	Impact attenuator/crash cushion
24	0.2	2	0.1	21.	Bridge pier or abutment
6	0.0	1	0.1	22.	Bridge parapet end
41	0.3	13	0.7	23.	Bridge rail
286	2.2	42	2.3	24.	Guardrail
65	0.5	14	0.8	25.	Concrete traffic barrier
1	0.0	0	0.0	26.	Other longitudinal barrier type
18	0.1	3	0.2	27.	Highway/traffic sign post
2	0.0	0	0.0	28.	Overhead sign support
3	0.0	1	0.1	29.	Luminaire/light support
32	0.2	2	0.1	30.	Utility pole
20	0.2	4	0.2	31.	Other post, pole or supports
21	0.2	1	0.1	32.	Culvert
30	0.2	9	0.5	33.	Curb
51	0.4	7	0.4	34.	Ditch
26	0.2	2	0.1	35.	Embankment - earth
8	0.1	1	0.1	36.	Embankment - rock, stone or concrete
30	0.2	3	0.2	37.	Embankment - material type unknown
23	0.2	10	0.6	38.	Fence
17	0.1	0	0.0	39.	Wall
0	0.0	0	0.0	40.	Fire hydrant
9	0.1	2	0.1	41.	Shrubbery
59	0.5	10	0.6	42.	Tree
37	0.3	6	0.3	43.	Other fixed object
1	0.0	0	0.0	44.	Pavement surface irregularity (pothole, grooved, grates)
9	0.1	1	0.1	45.	Transport device used as equipment
0	0.0	0	0.0	99.	Unknown

The following list shows the code values given above grouped by collision type.

- Noncollision Event
- 01. Overturn
 - 02. Fire/explosion
 - 03. Immersion
 - 04. Gas inhalation
 - 05. Fell from vehicle

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS ACCIDENT VARIABLES

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ALL Prcnt	FLNR Prcnt	Var 23	FIRST HARMFUL EVENT
			06. Injured in vehicle
			07. Other noncollision
			16. Thrown or falling object
			44. Pavement surface irregularity (pothole, grooved, grates)
			Collision With Object Not Fixed
			08. Pedestrian
			09. Pedalcycle
			10. Railway train
			11. Animal
			12. Motor-vehicle in transport
			13. Motor-vehicle in transport in other roadway
			14. Parked motor-vehicle
			15. Other type nonmotorist
			18. Other object (not fixed)
			45. Transport device used as equipment
			Collision With Fixed Object
			17. Boulder
			19. Building
			20. Impact attenuator/crash cushion
			21. Bridge pier or abutment
			22. Bridge parapet end
			23. Bridge rail
			24. Guardrail
			25. Concrete traffic barrier
			26. Other longitudinal barrier type
			27. Highway/traffic sign post
			28. Overhead sign support
			29. Luminaire/light support
			30. Utility pole
			31. Other post, pole or supports
			32. Culvert
			33. Curb
			34. Ditch
			35. Embankment - earth
			36. Embankment - rock, stone or concrete
			37. Embankment - material type unknown
			38. Fence
			39. Wall
			40. Fire hydrant
			41. Shrubbery
			42. Tree
			43. Other fixed object

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS ACCIDENT VARIABLES

Variable	24	MANNER OF COLLISION		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	MANNER OF COLLISION		
2813	21.6	433	24.0	0. Not a collision with a motor-vehicle in transport
2337	17.9	356	19.8	1. Rear-end
3068	23.5	402	22.3	2. Head-on
9	0.1	0	0.0	3. Rear-to-rear
4207	32.3	516	28.7	4. Angle
268	2.1	44	2.4	5. Sideswipe - same direction
290	2.2	48	2.7	6. Sideswipe - opposite direction
38	0.3	2	0.1	9. Unknown

Variable	25	RELATION TO JUNCTION		MD1:	99	Field Width:	2
				MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	RELATION TO JUNCTION		
				Non-interchange
8372	64.3	1217	67.6	01. Nonjunction
2968	22.8	334	18.5	02. Intersection
520	4.0	64	3.6	03. Intersection related
326	2.5	35	1.9	04. Driveway, alley, access, etc.
70	0.5	12	0.7	05. Entrance/exit ramp related
98	0.8	19	1.1	06. Rail grade crossing
24	0.2	7	0.4	07. In crossover
2	0.0	0	0.0	09. Unknown, Non-interchange
				Interchange area
169	1.3	19	1.1	10. Intersection
38	0.3	4	0.2	11. Intersection related
13	0.1	3	0.2	12. Driveway access
145	1.1	31	1.7	13. Entrance/exit ramp related
8	0.1	2	0.1	14. In crossover
270	2.1	54	3.0	15. Other location in Interchange
0	0.0	0	0.0	19. Unknown, Interchange Area
7	0.1	0	0.0	99. Unknown

Variable	26	RELATION TO ROADWAY		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	RELATION TO ROADWAY		
11550	88.6	1541	85.6	1. On roadway
358	2.7	73	4.1	2. Shoulder
190	1.5	37	2.1	3. Median

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS ACCIDENT VARIABLES

ALL Prcnt	FLNR Prcnt	Var 26	RELATION TO ROADWAY
549 4.2	87 4.8	4.	Roadside
71 0.5	8 0.4	5.	Outside right-of-way
270 2.1	49 2.7	6.	Off roadway - location unknown
4 0.0	0 0.0	7.	In parking lane
20 0.2	2 0.1	8.	Gore
18 0.1	4 0.2	9.	Unknown

Variable 27 TRAFFICWAY FLOW MD1: 9 Field Width: 1
 MD2: None Type: Numeric

A trafficway may include several roadways if it is a physically divided highway. Trafficways are not physically divided unless the divider is a median, barrier or other constructed device. Pavement markings do not qualify.

ALL Prcnt	FLNR Prcnt	TRAFFICWAY FLOW
7547 57.9	894 49.6	1. Not physically divided (two way trafficway)
4008 30.8	686 38.1	2. Divided highway, median strip (without traffic barrier)
1204 9.2	196 10.9	3. Divided highway, median strip (with traffic barrier)
172 1.3	16 0.9	4. One way trafficway
99 0.8	9 0.5	9. Unknown

Variable 28 NUMBER OF TRAVEL LANES MD1: 9 Field Width: 1
 MD2: None Type: Numeric

A roadway is one part of a divided trafficway or, if undivided, the same as the trafficway. It refers to the roadway on which the vehicle precipitating the accident was traveling. Only lanes open for travel are counted. Turn lanes are therefore excluded.

ALL Prcnt	FLNR Prcnt	NUMBER OF TRAVEL LANES
122 0.9	21 1.2	1. 1 lane
9928 76.2	1367 75.9	2. 2 lanes
985 7.6	152 8.4	3. 3 lanes
1578 12.1	212 11.8	4. 4 lanes
82 0.6	12 0.7	5. 5 lanes
145 1.1	18 1.0	6. 6 lanes
50 0.4	4 0.2	7. 7 or more lanes
140 1.1	15 0.8	9. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS ACCIDENT VARIABLES

Variable	29	SPEED LIMIT	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	SPEED LIMIT		
7	0.1	1	0.1	00. No statutory limit
0	0.0	0	0.0	05. 5 mph
1	0.0	1	0.1	10. 10 mph
24	0.2	1	0.1	15. 15 mph
21	0.2	3	0.2	20. 20 mph
242	1.9	23	1.3	25. 25 mph
454	3.5	40	2.2	30. 30 mph
712	5.5	78	4.3	35. 35 mph
558	4.3	56	3.1	40. 40 mph
1243	9.5	161	8.9	45. 45 mph
701	5.4	58	3.2	50. 50 mph
7376	56.6	1069	59.4	55. 55 mph
9	0.1	0	0.0	60. 60 mph
1541	11.8	295	16.4	65. 65 mph
141	1.1	15	0.8	99. Unknown

Variable	30	ROADWAY ALIGNMENT	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	ROADWAY ALIGNMENT		
10710	82.2	1483	82.3	1. Straight
2291	17.6	316	17.5	2. Curve
29	0.2	2	0.1	9. Unknown

Variable	31	ROADWAY PROFILE	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	ROADWAY PROFILE		
8967	68.8	1265	70.2	1. Level
3516	27.0	461	25.6	2. Grade
289	2.2	43	2.4	3. Hillcrest
72	0.6	10	0.6	4. Sag
186	1.4	22	1.2	9. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS ACCIDENT VARIABLES

Variable	32	ROADWAY SURFACE TYPE		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric
		ALL Prcnt	FLNR Prcnt	ROADWAY SURFACE TYPE			
	2195	16.8	374 20.8	1. Concrete			
	10518	80.7	1404 78.0	2. Blacktop, bituminous or asphalt			
	3	0.0	0 0.0	3. Brick or block			
	87	0.7	9 0.5	4. Slag, gravel or stone			
	34	0.3	1 0.1	5. Dirt			
	0	0.0	0 0.0	8. Other			
	193	1.5	13 0.7	9. Unknown			

Variable	33	ROADWAY SURFACE CONDITION		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric
		ALL Prcnt	FLNR Prcnt	ROADWAY SURFACE CONDITION			
	10233	78.5	1446 80.3	1. Dry			
	2140	16.4	243 13.5	2. Wet			
	265	2.0	36 2.0	3. Snow or slush			
	341	2.6	71 3.9	4. Ice			
	8	0.1	0 0.0	5. Sand, dirt, oil			
	13	0.1	0 0.0	8. Other			
	30	0.2	5 0.3	9. Unknown			

Variable	34	TRAFFIC CONTROL DEVICE		MD1:	99	Field Width:	2
				MD2:	None	Type:	Numeric
		ALL Prcnt	FLNR Prcnt	TRAFFIC CONTROL DEVICE			
	9120	70.0	1311 72.8	00. No controls			
				Not At Railroad Grade Crossing			
				Highway traffic signals			
	68	0.5	11 0.6	01. Traffic control signal (on colors) without pedestrian signal			
	68	0.5	15 0.8	02. Traffic control (on colors) with pedestrian signal			
	896	6.9	101 5.6	03. Traffic control signal (on colors) not known whether or not pedestrian signal			
	101	0.8	15 0.8	04. Flashing traffic control signal			
	72	0.6	7 0.4	05. Flashing beacon			
	23	0.2	2 0.1	06. Flashing highway traffic signal, type unk. or other than traffic control or beacon			
	25	0.2	5 0.3	07. Lane use control signal			

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS ACCIDENT VARIABLES

ALL	Prcnt	FLNR	Prcnt	Var 34	TRAFFIC CONTROL DEVICE
21	0.2	5	0.3		08. Other highway traffic signal
4	0.0	0	0.0		09. Unknown highway traffic signal
Regulatory signs					
1677	12.9	190	10.5		20. Stop sign
73	0.6	10	0.6		21. Yield sign
135	1.0	16	0.9		28. Other regulatory sign
12	0.1	5	0.3		29. Unknown type regulatory sign
School zone signs					
4	0.0	1	0.1		30. School speed limit sign
2	0.0	0	0.0		31. School advance or crossing sign
2	0.0	0	0.0		38. Other school related sign
0	0.0	0	0.0		39. Unknown type school zone sign
Warning signs					
538	4.1	74	4.1		40. Warning sign
Miscellaneous not at railroad crossing					
72	0.6	13	0.7		50. Officer, crossing guard, flagman, etc.
At Railroad Grade Crossing					
Active devices					
10	0.1	6	0.3		60. Gates
22	0.2	4	0.2		61. Flashing lights
7	0.1	1	0.1		62. Traffic control signal
1	0.0	0	0.0		63. Wigwags
0	0.0	0	0.0		64. Bells
0	0.0	0	0.0		68. Other train activated device
2	0.0	1	0.1		69. Active device, type unknown
Passive devices					
33	0.3	0	0.0		70. Cross-bucks
7	0.1	3	0.2		71. Stop sign
6	0.0	0	0.0		72. Other railroad crossing sign
1	0.0	1	0.1		73. Special warning device - watchman, flagged by crew
0	0.0	0	0.0		78. Other passive device
0	0.0	0	0.0		79. Passive device, type unknown
Miscellaneous devices at railroad crossing					
3	0.0	0	0.0		80. Grade crossing controlled, type unknown
***Whether Or Not At Railroad Grade Cross					
12	0.1	2	0.1		98. Other
13	0.1	2	0.1		99. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS ACCIDENT VARIABLES

Variable 35 TRAFFIC CONT FUNCTIONING MD1: 9 Field Width: 1
 MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		TRAFFIC CONTROL FUNCTIONING
9124	70.0	1311	72.8	0. No controls
26	0.2	2	0.1	1. Device not functioning
21	0.2	3	0.2	2. Device functioning - functioning improperly
3844	29.5	483	26.8	3. Device functioning properly
15	0.1	2	0.1	9. Unknown

Variable 36 HIT AND RUN MD1: 9 Field Width: 1
 MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		HIT AND RUN
12863	98.7	1792	99.5	0. No hit and run
92	0.7	4	0.2	1. Hit motor-vehicle in transport
73	0.6	5	0.3	2. Hit pedestrian or nonmotorist
2	0.0	0	0.0	3. Hit parked vehicle or object

Variable 37 LIGHT CONDITION MD1: 9 Field Width: 1
 MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		LIGHT CONDITION
8130	62.4	965	53.6	1. Daylight
3323	25.5	596	33.1	2. Dark
1111	8.5	171	9.5	3. Dark but lighted
296	2.3	34	1.9	4. Dawn
160	1.2	32	1.8	5. Dusk
10	0.1	3	0.2	9. Unknown

Variable 38 ATMOSPHERIC CONDITIONS MD1: 9 Field Width: 1
 MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		ATMOSPHERIC CONDITIONS
10779	82.7	1492	82.8	1. No adverse atmospheric conditions
1404	10.8	158	8.8	2. Rain
58	0.4	9	0.5	3. Sleet (hail)
359	2.8	68	3.8	4. Snow
350	2.7	61	3.4	5. Fog
21	0.2	1	0.1	6. Rain and fog
0	0.0	0	0.0	7. Sleet and fog
39	0.3	8	0.4	8. Other (smog, smoke, blowing sand, or dust)

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS ACCIDENT VARIABLES

ALL Prcnt	FLNR Prcnt	Var 38	ATMOSPHERIC CONDITIONS
20 0.2	4 0.2	9.	Unknown

Variable 39	CONSTRUCTION/MAINT ZONE	MD1: 9	Field Width: 1
		MD2: None	Type: Numeric

Identifies accidents that occurred in a construction or maintenance zone. Use of this code does not imply that the accident was caused by the construction/maintenance activity or zone.

ALL Prcnt	FLNR Prcnt	CONSTRUCTION OR MAINTENANCE ZONE
12526 96.1	1727 95.9	0. None
394 3.0	60 3.3	1. Construction
63 0.5	6 0.3	2. Maintenance
13 0.1	1 0.1	3. Utility
34 0.3	7 0.4	4. Work zone, type unknown

Variable 40	EMS NOTIFIED - HOUR	MD1: 99	Field Width: 2
		MD2: None	Type: Numeric

ALL Prcnt	FLNR Prcnt	EMS NOTIFIED - HOUR
744 5.7	120 6.7	00. Not notified or 12:01 - 12:59 am
219 1.7	37 2.1	01.
		- . Hour
1 0.0	0 0.0	24.
3984 30.6	611 33.9	99. Unknown

Variable 41	EMS NOTIFIED - MINUTE	MD1: 99	Field Width: 2
		MD2: None	Type: Numeric

ALL Prcnt	FLNR Prcnt	EMS NOTIFIED - MINUTE
761 5.8	103 5.7	00. Not notified or on hour
133 1.0	19 1.1	01.
		- . Minute
125 1.0	8 0.4	59.
3986 30.6	611 33.9	99. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
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Variable 42 EMS ARRIVAL - HOUR MD1: 99 Field Width: 2
 MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	EMS ARRIVAL - HOUR		
761 5.8	128 7.1	00.	Not notified or 12:01 - 12:59 am	
230 1.8	37 2.1	01.		
		- .	Hour	
5 0.0	3 0.2	24.		
3360 25.8	514 28.5	99.	Unknown	

Variable 43 EMS ARRIVAL - MINUTE MD1: 99 Field Width: 2
 MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	EMS ARRIVAL - MINUTE		
750 5.8	101 5.6	00.	Not notified or on hour	
112 0.9	4 0.2	01.		
		- .	Minute	
144 1.1	26 1.4	59.		
3503 26.9	531 29.5	99.	Unknown	

Variable 46 SCHOOL BUS RELATED MD1: 9 Field Width: 1
 MD2: None Type: Numeric

Identifies accidents in which a school bus was directly or indirectly involved, such as an accident involving children alighting from a school bus. The school bus does not have to be a traffic unit in the accident.

ALL Prcnt	FLNR Prcnt	SCHOOL BUS RELATED		
13005 99.8	1801 100.0	0.	No	
25 0.2	0 0.0	1.	Yes	

Variable 48 RAIL GRADE CROSSING ID MD1: None Field Width: 7
 MD2: None Type: Alphabetic

ALL Prcnt	FLNR Prcnt	RAIL GRADE CROSSING ID - FRA CODE		
		000000.	Not Applicable	
		000000A.		
		- .	FRA code	
		999999Z.		
		9999999.	Unknown-	

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS ACCIDENT VARIABLES

Variable	49	NUMBER FATALITIES IN ACC	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

ALL Prcnt		FLNR Prcnt		NUMBER OF FATALITIES IN ACCIDENT	
0	0.0	0	0.0	00.	0 killed
11174	85.8	1548	86.0	01.	1 killed
1429	11.0	178	9.9	02.	2 killed
314	2.4	53	2.9	03.	3 killed
72	0.6	11	0.6	04.	4 killed
28	0.2	4	0.2	05.	5 killed
4	0.0	2	0.1	06.	6 killed
1	0.0	0	0.0	07.	7 killed
2	0.0	1	0.1	09.	9 killed
6	0.0	4	0.2	10.	10 killed

Variable	50	DAY OF WEEK	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

ALL Prcnt		FLNR Prcnt		DAY OF WEEK	
749	5.7	143	7.9	1.	Sunday
2032	15.6	265	14.7	2.	Monday
2137	16.4	280	15.5	3.	Tuesday
2237	17.2	334	18.5	4.	Wednesday
2245	17.2	288	16.0	5.	Thursday
2341	18.0	323	17.9	6.	Friday
1289	9.9	168	9.3	7.	Saturday

Variable	51	NUMBER DRINKING DRIVERS	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

ALL Prcnt		FLNR Prcnt		NUMBER DRINKING DRIVERS	
10326	79.2	1375	76.3	0.	0 drivers
2594	19.9	410	22.8	1.	1 drivers
108	0.8	16	0.9	2.	2 drivers
2	0.0	0	0.0	3.	3 drivers

Variable	52	ACCIDENT DATE - JULIAN	MD1:	0	Field Width:	5
			MD2:	None	Type:	Numeric

ALL Prcnt		FLNR Prcnt		The Julian date from March 1, 1900	
25	0.2	2	0.1	00000.	Missing data
4	0.0	0	0.0	33179.	January 1, 1991
13	0.1	1	0.1	34273.	December 31, 1993

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS ACCIDENT VARIABLES

Variable	53	NUMBER UNINJURED IN ACC		MD1:	None	Field Width:	2
				MD2:	None	Type:	Numeric
		ALL Prcnt	FLNR Prcnt	NUMBER OF UNINJURED IN ACCIDENT			
	4713	36.2	613 34.0	00.	0	uninjured	
	6235	47.9	887 49.3	01.	1	uninjured	
	1345	10.3	178 9.9	02.	2	uninjured	
	353	2.7	43 2.4	03.	3	uninjured	
	184	1.4	29 1.6	04.	4	uninjured	
	77	0.6	17 0.9	05.	5	uninjured	
				-	.		
	2	0.0	0 0.0	36.	36	uninjured	

Variable	54	NUMBER C-INJURED IN ACC		MD1:	None	Field Width:	2
				MD2:	None	Type:	Numeric
		ALL Prcnt	FLNR Prcnt	NUMBER OF C-INJURED IN ACCIDENT			
	10613	81.5	1458 81.0	00.	0	C-injured	
	1874	14.4	262 14.5	01.	1	C-injured	
	341	2.6	45 2.5	02.	2	C-injured	
	125	1.0	15 0.8	03.	3	C-injured	
	40	0.3	6 0.3	04.	4	C-injured	
	11	0.1	3 0.2	05.	5	C-injured	
				-	.		
	1	0.0	0 0.0	14.	14	C-injured	

Variable	55	NUMBER B-INJURED IN ACC		MD1:	None	Field Width:	2
				MD2:	None	Type:	Numeric
		ALL Prcnt	FLNR Prcnt	NUMBER OF B-INJURED IN ACCIDENT			
	10112	77.6	1421 78.9	00.	0	B-injured	
	2159	16.6	277 15.4	01.	1	B-injured	
	470	3.6	51 2.8	02.	2	B-injured	
	158	1.2	21 1.2	03.	3	B-injured	
	54	0.4	11 0.6	04.	4	B-injured	
	18	0.1	3 0.2	05.	5	B-injured	
				-	.		
	5	0.0	0 0.0	22.	22	B-injured	

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS ACCIDENT VARIABLES

Variable 56 NUMBER A-INJURED IN ACC MD1: None Field Width: 2
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	NUMBER OF A-INJURED IN ACCIDENT	
9742 74.8	1347 74.8	00.	0 A-injured
2308 17.7	312 17.3	01.	1 A-injured
599 4.6	87 4.8	02.	2 A-injured
213 1.6	30 1.7	03.	3 A-injured
65 0.5	12 0.7	04.	4 A-injured
54 0.4	4 0.2	05.	5 A-injured
2 0.0	0 0.0	57.	57 A-injured

Variable 57 NUMBER K-INJURED IN ACC MD1: None Field Width: 2
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	NUMBER OF K-INJURED IN ACCIDENT	
11174 85.8	1548 86.0	01.	1 killed
1429 11.0	178 9.9	02.	2 killed
314 2.4	53 2.9	03.	3 killed
72 0.6	11 0.6	04.	4 killed
28 0.2	4 0.2	05.	5 killed
4 0.0	2 0.1	06.	6 killed
1 0.0	0 0.0	07.	7 killed
2 0.0	1 0.1	09.	9 killed
6 0.0	4 0.2	10.	10 killed

Variable 58 NUM UNK INJURED IN ACC MD1: None Field Width: 2
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	NUMBER UNKNOWN INJURED IN ACCIDENT	
12952 99.4	1791 99.4	00.	0 unknown injured
60 0.5	7 0.4	01.	1 unknown injured
15 0.1	3 0.2	02.	2 unknown injured
3 0.0	0 0.0	03.	3 unknown injured

Variable 59 ACC. RELATED FACTORS-1 MD1: 99 Field Width: 2
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	1ST RESPONSE	
12530 96.2	1704 94.6	00.	None
7 0.1	0 0.0	01.	Inadequate warning of exits, lanes narrowing, traffic controls, etc.

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS ACCIDENT VARIABLES

ALL Prcnt	FLNR Prcnt	Var 59	ACC. RELATED FACTORS-1	
17	0.1	0	0.0	02. Shoulder related
30	0.2	1	0.1	03. Other construction created condition
35	0.3	5	0.3	04. No (or obscured) pavement marking
7	0.1	2	0.1	05. Surface underwater
5	0.0	0	0.0	06. Inadequate construction or poor design of roadway, bridge, etc.
4	0.0	0	0.0	07. Surface washed out (caved in, road slippage)
				Special circumstances
108	0.8	28	1.6	14. Motor Vehicle in Transport struck by falling cargo, or something that was set in motion by a vehicle
19	0.1	8	0.4	15. Nonoccupant struck by falling cargo or something that came loose from or was set in motion by a vehicle
40	0.3	6	0.3	16. Nonoccupant struck vehicle
2	0.0	0	0.0	17. Vehicle set in motion by nondriver
15	0.1	2	0.1	18. Date of Accident and Date of EMS Notification were not the same day
185	1.4	40	2.2	19. Recent previous accident scene nearby.
26	0.2	5	0.3	99. Unknown

Variable	60	ACC. RELATED FACTORS-2	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	2ND RESPONSE		
12983	99.6	1789 99.3	00. None	
0	0.0	0	0.0	01. Inadequate warning of exits, lanes narrowing, traffic controls, etc.
0	0.0	0	0.0	02. Shoulder related
3	0.0	0	0.0	03. Other construction created condition
0	0.0	0	0.0	04. No (or obscured) pavement marking
0	0.0	0	0.0	05. Surface underwater
0	0.0	0	0.0	06. Inadequate construction or poor design of roadway, bridge, etc.
0	0.0	0	0.0	07. Surface washed out (caved in, road slippage)
				Special circumstances
3	0.0	1	0.1	14. Motor Vehicle in Transport struck by falling cargo, or something that was set in motion by a vehicle

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS ACCIDENT VARIABLES

ALL Prcnt	FLNR Prcnt	Var 60	ACC. RELATED FACTORS-2
1 0.0	0 0.0	15.	Nonoccupant struck by falling cargo or something that came loose from or was set in motion by a vehicle
3 0.0	0 0.0	16.	Nonoccupant struck vehicle
0 0.0	0 0.0	17.	Vehicle set in motion by nondriver
0 0.0	0 0.0	18.	Date of Accident and Date of EMS Notification were not the same day
11 0.1	6 0.3	19.	Recent previous accident scene nearby.
26 0.2	5 0.3	99.	Unknown

Variable 61 ACC. RELATED FACTORS-3 MD1: 99 Field Width: 2
 MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	3RD RESPONSE
13003 99.8	1796 99.7	00. None
0 0.0	0 0.0	01. Inadequate warning of exits, lanes narrowing, traffic controls, etc.
0 0.0	0 0.0	02. Shoulder related
0 0.0	0 0.0	03. Other construction created condition
0 0.0	0 0.0	04. No (or obscured) pavement marking
0 0.0	0 0.0	05. Surface underwater
0 0.0	0 0.0	06. Inadequate construction or poor design of roadway, bridge, etc.
0 0.0	0 0.0	07. Surface washed out (caved in, road slippage)
Special circumstances		
0 0.0	0 0.0	14. Motor Vehicle in Transport struck by falling cargo, or something that was set in motion by a vehicle
0 0.0	0 0.0	15. Nonoccupant struck by falling cargo or something that came loose from or was set in motion by a vehicle
0 0.0	0 0.0	16. Nonoccupant struck vehicle
0 0.0	0 0.0	17. Vehicle set in motion by nondriver
0 0.0	0 0.0	18. Date of Accident and Date of EMS Notification were not the same day
1 0.0	0 0.0	19. Recent previous accident scene nearby.
26 0.2	5 0.3	99. Unknown

The VEHICLE Variables

Variables 104 through 163 describe the vehicle involved in the accident (i.e., the truck).

Variable	104	VEHICLE NUMBER	MD1:	0	Field Width:	2
			MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	VEHICLE NUMBER
6338 48.6	867 48.1	01. Vehicle #1
5848 44.9	790 43.9	02. Vehicle #2
627 4.8	103 5.7	03. Vehicle #3
115 0.9	18 1.0	04. Vehicle #4
48 0.4	10 0.6	05. Vehicle #5
2 0.0	2 0.1	27. Vehicle #27

Variable	107	NUMBER OF OCCUPANTS	MD1:	99	Field Width:	2
			MD2:	97	Type:	Numeric

ALL Prcnt	FLNR Prcnt	NUMBER OF OCCUPANTS
145 1.1	17 0.9	00. 0 occupants
10691 82.0	1514 84.1	01. 1 occupant
1516 11.6	217 12.0	02. 2 occupants
180 1.4	6 0.3	03. 3 occupants
32 0.2	4 0.2	04. 4 occupants
13 0.1	0 0.0	05. 5 occupants
4 0.0	0 0.0	06. 6 occupants
2 0.0	1 0.1	07. 7 occupants
1 0.0	0 0.0	09. 9 occupants
391 3.0	40 2.2	97. Unknown - only injured reported
55 0.4	2 0.1	99. Unknown

Variable	108	VEHICLE MAKE	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	VEHICLE MAKE
5 0.0	0 0.0	03. AM General
87 0.7	0 0.0	07. Dodge
1650 12.7	0 0.0	12. Ford
404 3.1	0 0.0	20. Chevrolet
728 5.6	0 0.0	23. GMC

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS VEHICLE VARIABLES

ALL Prcnt	FLNR Prcnt	Var 108	VEHICLE MAKE	
15	0.1	0	0.0	35. Datsun/Nissan
87	0.7	0	0.0	38. Isuzu
34	0.3	0	0.0	42. Mercedes-Benz
72	0.6	0	0.0	51. Volvo
23	0.2	0	0.0	52. Mitsubishi
6	0.0	0	0.0	80. Brockway
13	0.1	0	0.0	81. Diamond-Reo
2328	17.9	1782	98.9	82. Freightliner
7	0.1	1	0.1	83. FWD
2791	21.4	4	0.2	84. International
1367	10.5	1	0.1	85. Kenworth
1478	11.3	0	0.0	86. Mack
1261	9.7	0	0.0	87. Peterbilt
40	0.3	0	0.0	88. Iveco/Magirus
184	1.4	9	0.5	89. White/Autocar-White/GMC
343	2.6	2	0.1	98. Other make
107	0.8	2	0.1	99. Unknown

Variable	109	VEHICLE MAKE-MODEL	MD1:	9900	Field Width:	5
			MD2:	9900	Type:	Numeric

ALL Prcnt	FLNR Prcnt	VEHICLE MAKE-MODEL		
2	0.0	0	0.0	03884. AM General Med/Hvy Truck
3	0.0	0	0.0	03899. Am General Unk Med/Hvy Truck
3	0.0	0	0.0	07471. Dodge D50,Colt Pickup,Ram 50/100
59	0.5	0	0.0	07481. Dodge D,W-series Pickup
1	0.0	0	0.0	07498. Dodge Other lt Truck
5	0.0	0	0.0	07499. Dodge Unk lt Truck
3	0.0	0	0.0	07881. Dodge med/hvy CBE
12	0.1	0	0.0	07884. Dodge med/hvy Unk engine location
1	0.0	0	0.0	07890. Dodge med/hvy COE unk entry position
1	0.0	0	0.0	07898. Dodge Other med/hvy truck
1	0.0	0	0.0	07899. Dodge Unk med/hvy truck
1	0.0	0	0.0	07999. Dodge Unknown
47	0.4	0	0.0	12461. Ford E-series Van
23	0.2	0	0.0	12470. Ford Van derivative
2	0.0	0	0.0	12471. Ford Ranger
204	1.6	0	0.0	12481. Ford F-series Pickup
5	0.0	0	0.0	12498. Ford Other lt truck
32	0.2	0	0.0	12499. Ford Unk lt truck
883	6.8	0	0.0	12881. Ford Med/Hvy CBE
52	0.4	0	0.0	12882. Ford Med/Hvy COE low entry
60	0.5	0	0.0	12883. Ford Med/Hvy COE high entry
251	1.9	0	0.0	12884. Ford Med/Hvy Unk engine location
8	0.1	0	0.0	12890. Ford Med/Hvy COE Unk entry position

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
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ALL Prcnt	FLNR Prcnt	Var	109	VEHICLE MAKE-MODEL
10	0.1	0	0.0	12898. Ford Other Med/Hvy Truck
69	0.5	0	0.0	12899. Ford Unk Med/Hvy Truck
4	0.0	0	0.0	12999. Ford Unknown
6	0.0	0	0.0	20461. Chevrolet G-series Van
5	0.0	0	0.0	20466. Chevrolet P-series Van
1	0.0	0	0.0	20470. Chevrolet Van Derivative
2	0.0	0	0.0	20471. Chevrolet S-10,T-10
70	0.5	0	0.0	20481. Chevrolet C,K,R,V-series Pickup
4	0.0	0	0.0	20498. Chevrolet Other lt truck
10	0.1	0	0.0	20499. Chevrolet Unk lt truck
185	1.4	0	0.0	20881. Chevrolet Med/Hvy CBE
6	0.0	0	0.0	20882. Chevrolet Med/Hvy COE low entry
9	0.1	0	0.0	20883. Chevrolet Med/Hvy COE high entry
68	0.5	0	0.0	20884. Chevrolet Med/Hvy Unk engine location
3	0.0	0	0.0	20890. Chevrolet Med/Hvy COE Unk entry position
5	0.0	0	0.0	20898. Chevrolet Other med/hvy
30	0.2	0	0.0	20899. Chevrolet Unk med/hvy
1	0.0	0	0.0	23399. GMC Unk Auto
1	0.0	0	0.0	23441. GMC Safari (Minivan)
8	0.1	0	0.0	23461. GMC G-series Van
7	0.1	0	0.0	23466. GMC P-series Van
8	0.1	0	0.0	23470. GMC Van Derivative
1	0.0	0	0.0	23471. GMC S15/Somona
37	0.3	0	0.0	23481. GMC C,K,R,V-series Pickup
2	0.0	0	0.0	23498. GMC Other lt truck
7	0.1	0	0.0	23499. GMC Unk lt truck
330	2.5	0	0.0	23881. GMC Med/Hvy CBE
24	0.2	0	0.0	23882. GMC Med/Hvy COE low entry
66	0.5	0	0.0	23883. GMC Med/Hvy COE high entry
170	1.3	0	0.0	23884. GMC Med/Hvy Unk engine location
7	0.1	0	0.0	23890. GMC Med/Hvy COE Unk entry position
6	0.0	0	0.0	23898. GMC Other med/hvy trk
52	0.4	0	0.0	23899. GMC Unk med/hvy trk
1	0.0	0	0.0	23999. GMC Unknown
1	0.0	0	0.0	35441. Nissan/Datsun Van
3	0.0	0	0.0	35471. Nissan/Datsun Pickup
2	0.0	0	0.0	35499. Nissan/Datsun Unk lt truck
3	0.0	0	0.0	35883. Nissan/Datsun Med/Hvy COE high entry
3	0.0	0	0.0	35898. Nissan/Datsun Other med/hvy truck
3	0.0	0	0.0	35899. Nissan/Datsun Unk med/hvy truck
1	0.0	0	0.0	38401. Isuzu Trooper/Trooper II
7	0.1	0	0.0	38471. Isuzu P'up Pickup
3	0.0	0	0.0	38498. Isuzu Other lt truck
6	0.0	0	0.0	38499. Isuzu Unk lt truck
29	0.2	0	0.0	38881. Isuzu Med/Hvy CBE
19	0.1	0	0.0	38882. Isuzu Med/Hvy COE low entry

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS VEHICLE VARIABLES

ALL	Prcnt	FLNR	Prcnt	Var 109	VEHICLE MAKE-MODEL
1	0.0	0	0.0	38883.	Isuzu Med/Hvy COE high entry
3	0.0	0	0.0	38884.	Isuzu Med/Hvy Unk Engine Location
4	0.0	0	0.0	38898.	Isuzu Other med/hvy trk
13	0.1	0	0.0	38899.	Isuzu Unk med/hvy trk
1	0.0	0	0.0	38999.	Isuzu Unknown
2	0.0	0	0.0	42470.	Mercedes Benz Van Derivative
11	0.1	0	0.0	42881.	Mercedes Benz Med/Hvy CBE
3	0.0	0	0.0	42882.	Mercedes Benz Med/Hvy COE low entry
13	0.1	0	0.0	42884.	Mercedes Benz Med/Hvy Unk engine location
3	0.0	0	0.0	42898.	Mercedes Benz Other med/hvy trk
2	0.0	0	0.0	42899.	Mercedes Benz Unk med/hvy trk
20	0.2	0	0.0	51881.	Volvo Med/Hvy CBE
9	0.1	0	0.0	51882.	Volvo Med/Hvy COE low entry
3	0.0	0	0.0	51883.	Volvo Med/Hvy COE high entry
20	0.2	0	0.0	51884.	Volvo Med/Hvy Unk engine location
11	0.1	0	0.0	51890.	Volvo Med/Hvy Unk entry position
9	0.1	0	0.0	51899.	Volvo Unk med/hvy trk
3	0.0	0	0.0	52441.	Mitsubishi Mini-van
1	0.0	0	0.0	52471.	Mitsubishi Pickup
2	0.0	0	0.0	52499.	Mitsubishi Unk lt truck
15	0.1	0	0.0	52882.	Mitsubishi Med/Hvy COE low entry
2	0.0	0	0.0	52899.	Mitsubishi Unk med/hvy truck
2	0.0	0	0.0	80882.	Brockway Med/Hvy COE low entry
3	0.0	0	0.0	80884.	Brockway Med/Hvy Unk engine location
1	0.0	0	0.0	80899.	Brockway Unk med/hvy trk
4	0.0	0	0.0	81881.	Diamond Reo Med/Hvy CBE
7	0.1	0	0.0	81884.	Diamond Reo Med/Hvy Unk engine location
2	0.0	0	0.0	81899.	Diamond Reo Unk med/hvy trk
979	7.5	685	38.0	82881.	Freightliner Med/Hvy CBE
60	0.5	38	2.1	82882.	Freightliner Med/Hvy COE low entry
615	4.7	553	30.7	82883.	Freightliner Med/Hvy COE high entry
525	4.0	391	21.7	82884.	Freightliner Med/Hvy Unk engine location
37	0.3	32	1.8	82890.	Freightliner Med/Hvy COE Unk entry position
4	0.0	4	0.2	82898.	Freightliner Other med/hvy trk
108	0.8	79	4.4	82899.	Freightliner Unk med/hvy trk
4	0.0	0	0.0	83881.	FWD Med/Hvy CBE
2	0.0	1	0.1	83884.	FWD Med/Hvy Unk engine location
1	0.0	0	0.0	83899.	FWD Unk med/hvy trk
1	0.0	0	0.0	84466.	International Multistop Van
3	0.0	0	0.0	84481.	International Pickup
4	0.0	0	0.0	84499.	International Unk lt trk

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS VEHICLE VARIABLES

ALL Prcnt	FLNR Prcnt	Var 109	VEHICLE MAKE-MODEL
1133	8.7	0 0.0	84881. International Med/Hvy CBE
65	0.5	0 0.0	84882. International Med/Hvy COE low entry
711	5.5	1 0.1	84883. International Med/Hvy COE high entry
692	5.3	3 0.2	84884. International Med/Hvy Unk engine location
25	0.2	0 0.0	84890. International Med/Hvy COE Unk entry position
3	0.0	0 0.0	84898. International Other med/hvy trk
149	1.1	0 0.0	84899. International Unk med/hvy trk
1	0.0	0 0.0	84997. International Other Bus
4	0.0	0 0.0	84999. International Unknown
670	5.1	1 0.1	85881. Kenworth Med/Hvy CBE
19	0.1	0 0.0	85882. Kenworth Med/Hvy COE low entry
175	1.3	0 0.0	85883. Kenworth Med/Hvy COE high entry
393	3.0	0 0.0	85884. Kenworth Med/Hvy Unk engine location
17	0.1	0 0.0	85890. Kenworth Med/Hvy COE Unk entry position
6	0.0	0 0.0	85898. Kenworth Other med/hvy trk
87	0.7	0 0.0	85899. Kenworth Unk med/hvy trk
715	5.5	0 0.0	86881. Mack Med/Hvy CBE
122	0.9	0 0.0	86882. Mack Med/Hvy COE low entry
94	0.7	0 0.0	86883. Mack Med/Hvy COE high entry
423	3.2	0 0.0	86884. Mack Med/Hvy Unk engine location
20	0.2	0 0.0	86890. Mack Med/Hvy COE Unk entry position
8	0.1	0 0.0	86898. Mack Other med/hvy trk
94	0.7	0 0.0	86899. Mack Unk med/hvy trk
2	0.0	0 0.0	86999. Mack Unknown
640	4.9	0 0.0	87881. Peterbilt Med/Hvy CBE
20	0.2	0 0.0	87882. Peterbilt Med/Hvy COE low entry
138	1.1	0 0.0	87883. Peterbilt Med/Hvy COE high entry
366	2.8	0 0.0	87884. Peterbilt Med/Hvy Unk engine location
28	0.2	0 0.0	87890. Peterbilt Med/Hvy COE Unk entry position
3	0.0	0 0.0	87898. Peterbilt Other med/hvy trk
66	0.5	0 0.0	87899. Peterbilt Unk med/hvy trk
16	0.1	0 0.0	88881. Iveco/Magirus Med/Hvy CBE
4	0.0	0 0.0	88882. Iveco/Magirus Med/Hvy COE low entry
3	0.0	0 0.0	88883. Iveco/Magirus Med/Hvy COE high entry
13	0.1	0 0.0	88884. Iveco/Magirus Med/Hvy Unk engine location
2	0.0	0 0.0	88890. Iveco/Magirus Med/Hvy COE Unk entry position
2	0.0	0 0.0	88898. Iveco/Magirus Other med/hvy trk
108	0.8	4 0.2	89881. White/Autocar-White/GMC Med/Hvy CBE

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS VEHICLE VARIABLES

ALL	Prcnt	FLNR	Prcnt	Var 109	VEHICLE MAKE-MODEL
7	0.1	0	0.0	89882.	White/Autocar-White/GMC Med/Hvy COE low entry
15	0.1	0	0.0	89883.	White/Autocar-White/GMC Med/Hvy COE high entry
44	0.3	3	0.2	89884.	White/Autocar-White/GMC Med/Hvy Unk engine location
2	0.0	2	0.1	89890.	White/Autocar-White/GMC Med/Hvy COE Unk entry position
1	0.0	0	0.0	89898.	White/Autocar-White/GMC Other med/hvy trk
7	0.1	0	0.0	89899.	White/Autocar-White/GMC Unk med/hvy trk
1	0.0	0	0.0	98498.	Other Make Other Light Truck
32	0.2	0	0.0	98801.	Other Make AUTOCAR
10	0.1	0	0.0	98802.	Other Make AUTO-UNION-DKW
98	0.8	0	0.0	98804.	Other Make WESTERN STAR
9	0.1	0	0.0	98805.	Other Make OSHKOSH
5	0.0	0	0.0	98806.	Other Make HINO
1	0.0	0	0.0	98807.	Other Make SCANIA
3	0.0	0	0.0	98808.	Other Make UD
15	0.1	0	0.0	98881.	Other Make Med/Hvy CBE
10	0.1	0	0.0	98882.	Other Make Med/Hvy COE low entry
3	0.0	0	0.0	98883.	Other Make Med/Hvy COE high entry
106	0.8	2	0.1	98884.	Other Make Med/Hvy Unk engine location
13	0.1	0	0.0	98890.	Other Make Med/Hvy COE Unk entry
35	0.3	0	0.0	98898.	Other Make Other med/hvy trk
2	0.0	0	0.0	98999.	Other Make Unknown
1	0.0	0	0.0	99399.	Unknown Make Unknown Automobile
2	0.0	0	0.0	99499.	Unknown Make Unknown Light Truck
1	0.0	0	0.0	99799.	Unknown Make Unknown Motored cycle
6	0.0	0	0.0	99881.	Unknown Make Med/Hvy CBE
2	0.0	0	0.0	99883.	Unknown Make Med/Hvy COE high entry
33	0.3	2	0.1	99884.	Unknown Make Med/Hvy Unk engine location
1	0.0	0	0.0	99898.	Unknown Make Other med/hvy trk
43	0.3	0	0.0	99899.	Unknown Make med/hvy trk
18	0.1	0	0.0	99999.	Unknown Make Unknown Vehicle

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS VEHICLE VARIABLES

Variable	110	BODY TYPE		MD1: 99	Field Width: 2
				MD2: None	Type: Numeric
ALL Prcnt		FLNR Prcnt		BODY TYPE	
				Van Based Light Truck (GVWR < 10,000 lb)	
7	0.1	0	0.0	20. Minivan	
50	0.4	0	0.0	21. Large Van (excludes moving van)	
15	0.1	0	0.0	22. Step Van or walk-in van	
38	0.3	0	0.0	28. Other Van type	
13	0.1	0	0.0	29. Unknown Van type	
				Light Truck (GVWR < 10,000 lbs.)	
51	0.4	0	0.0	30. Compact Pickup (GVWR < 4,500 lbs.)	
214	1.6	0	0.0	31. Standard Pickup (GVWR 4,500 to 10,000 lbs.)	
11	0.1	0	0.0	32. Pickup w/Slide-in Camper	
1	0.0	0	0.0	33. Convertible Pickup	
17	0.1	0	0.0	39. Unknown Pickup type	
				Other Light Truck (GVWR 10,000 lbs.)	
161	1.2	0	0.0	40. Cab chassis Based	
10	0.1	0	0.0	48. Unknown Light Conventional type (not pickup)	
2	0.0	0	0.0	49. Unknown Light Vehicle type	
				Heavy/Medium Truck (GVWR > 10,000 lbs.)	
190	1.5	3	0.2	60. Step Van	
539	4.1	12	0.7	61. Single Unit Truck low GVWR (10,000 lbs < GVWR < or = 19,500 lbs.)	
523	4.0	3	0.2	62. Single Unit Truck medium GVWR (19,500 lbs. < GVWR < or = 26,000 lbs)	
1549	11.9	32	1.8	63. Single Unit Truck high GVWR (GVWR > 26,000 lbs.)	
353	2.7	5	0.3	64. Single Unit Truck unk GVWR	
0	0.0	0	0.0	65. Med/Hvy truck based Motorhome	
8964	68.8	1729	96.0	66. Truck/Tractor (cab only, or w/ any number of trailing units; any weight)	
26	0.2	0	0.0	71. Unknown if Single Unit or Combination Unit Med Trk (10,000 < GVWR < 26,000 lbs.)	
55	0.4	5	0.3	72. Unknown if Single Unit or Combination Unit Hvy Trk (GVWR > 26,000 lbs.)	
0	0.0	0	0.0	73. Camper or Motorhome, unk truck type	
210	1.6	12	0.7	78. Unknown Med/Hvy truck type	
15	0.1	0	0.0	79. Unknown Truck type (light/med/hvy)	

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS VEHICLE VARIABLES

ALL Prcnt	FLNR Prcnt	Var 110	BODY TYPE
16 0.1	0 0.0	99.	Unknown Body Type

Variable 111	MODEL YEAR	MD1:	99	Field Width:	2
		MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	MODEL YEAR
1 0.0	0 0.0	49.
2 0.0	0 0.0	52. 1952
356 2.7	27 1.5	78. 1978
523 4.0	45 2.5	79. 1979
401 3.1	50 2.8	80. 1980
404 3.1	34 1.9	81. 1981
377 2.9	35 1.9	82. 1982
373 2.9	50 2.8	83. 1983
792 6.1	130 7.2	84. 1984
962 7.4	173 9.6	85. 1985
856 6.6	137 7.6	86. 1986
982 7.5	139 7.7	87. 1987
1137 8.7	149 8.3	88. 1988
1289 9.9	227 12.6	89. 1989
1150 8.8	164 9.1	90. 1990
892 6.8	134 7.4	91. 1991
553 4.2	101 5.6	92. 1992
397 3.0	83 4.6	93. 1993
54 0.4	10 0.6	94. 1994
111 0.9	8 0.4	99. Unknown

Variable 112	VIN	MD1:	None	Field Width:	10
		MD2:	None	Type:	Alphabetic

VEHICLE ID NUMBER - 1ST 10 POSITIONS

Variable 123	REGISTRATION STATE	MD1:	99	Field Width:	2
		MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	REGISTRATION STATE
23 0.2	0 0.0	00. Not applicable
230 1.8	21 1.2	01. Alabama
4 0.0	0 0.0	02. Alaska
0 0.0	0 0.0	03. American Samoa
88 0.7	7 0.4	04. Arizona
116 0.9	6 0.3	05. Arkansas

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS VEHICLE VARIABLES

ALL	Prcnt	FLNR	Prcnt	Var 123	REGISTRATION STATE
886	6.8	227	12.6	06.	California
88	0.7	4	0.2	08.	Colorado
42	0.3	0	0.0	09.	Connecticut
55	0.4	5	0.3	10.	Delaware
5	0.0	0	0.0	11.	District of Columbia
678	5.2	62	3.4	12.	Florida
376	2.9	33	1.8	13.	Georgia
0	0.0	0	0.0	14.	Guam
4	0.0	0	0.0	15.	Hawaii
51	0.4	8	0.4	16.	Idaho
305	2.3	29	1.6	17.	Illinois
356	2.7	69	3.8	18.	Indiana
132	1.0	17	0.9	19.	Iowa
95	0.7	9	0.5	20.	Kansas
223	1.7	17	0.9	21.	Kentucky
148	1.1	16	0.9	22.	Louisiana
56	0.4	3	0.2	23.	Maine
144	1.1	8	0.4	24.	Maryland
75	0.6	1	0.1	25.	Massachusetts
295	2.3	21	1.2	26.	Michigan
229	1.8	34	1.9	27.	Minnesota
177	1.4	5	0.3	28.	Mississippi
142	1.1	9	0.5	29.	Missouri
41	0.3	8	0.4	30.	Montana
71	0.5	11	0.6	31.	Nebraska
34	0.3	2	0.1	32.	Nevada
35	0.3	1	0.1	33.	New Hampshire
265	2.0	23	1.3	34.	New Jersey
53	0.4	6	0.3	35.	New Mexico
312	2.4	18	1.0	36.	New York
353	2.7	57	3.2	37.	North Carolina
32	0.2	3	0.2	38.	North Dakota
492	3.8	53	2.9	39.	Ohio
220	1.7	27	1.5	40.	Oklahoma
103	0.8	18	1.0	41.	Oregon
505	3.9	52	2.9	42.	Pennsylvania
2	0.0	0	0.0	43.	Puerto Rico
15	0.1	2	0.1	44.	Rhode Island
144	1.1	18	1.0	45.	South Carolina
69	0.5	13	0.7	46.	South Dakota
178	1.4	10	0.6	47.	Tennessee
712	5.5	78	4.3	48.	Texas
103	0.8	18	1.0	49.	Utah
37	0.3	5	0.3	50.	Vermont
267	2.0	16	0.9	51.	Virginia
0	0.0	0	0.0	52.	Virgin Islands
118	0.9	15	0.8	53.	Washington
91	0.7	7	0.4	54.	West Virginia
156	1.2	9	0.5	55.	Wisconsin
26	0.2	2	0.1	56.	Wyoming

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS VEHICLE VARIABLES

ALL Prcnt	FLNR Prcnt	Var 123	REGISTRATION STATE
244 1.9	41 2.3	92.	No registration
2057 15.8	416 23.1	93.	Multiple state registration - in state
918 7.0	205 11.4	94.	Multiple state registration - out-of-state
23 0.2	0 0.0	95.	U.S. government tags
19 0.1	0 0.0	96.	Military vehicle
105 0.8	26 1.4	97.	Foreign country
11 0.1	0 0.0	98.	Other registration
196 1.5	30 1.7	99.	Unknown

Variable 124 REGISTERED VEHICLE OWNER MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	REGISTERED VEHICLE OWNER
266 2.0	41 2.3	0. N/A, Vehicle Not Registered
1258 9.7	151 8.4	1. Driver was Registered Owner
1330 10.2	174 9.7	2. Driver Not Registered Owner (other private owner listed)
9487 72.8	1336 74.2	3. Vehicle registered as Business/Company/Government vehicle
310 2.4	46 2.6	4. Vehicle registered as Rental vehicle
2 0.0	0 0.0	5. Vehicle was Stolen (reported by police)
164 1.3	18 1.0	6. Driverless Vehicle
213 1.6	35 1.9	9. Unknown

Variable 125 ROLLOVER MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	ROLLOVER
11262 86.4	1534 85.2	0. No rollover
517 4.0	97 5.4	1. First event
1251 9.6	170 9.4	2. Subsequent event

Variable 126 JACKKNIFE MD1: 9 Field Width: 1
MD2: None Type: Numeric

Identifies the loss of control of a truck in motion where the trailer yaws more than 15 degrees from its normal straight line path behind the cab.

ALL Prcnt FLNR Prcnt JACKKNIFE

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS VEHICLE VARIABLES

ALL Prcnt		FLNR Prcnt		Var 126	JACKKNIFE
4837	37.1	190	10.5	0.	Not an articulated vehicle
7489	57.5	1454	80.7	1.	No
215	1.7	46	2.6	2.	First event
489	3.8	111	6.2	3.	Subsequent event

Variable 127 TRAVEL SPEED MD1: 99 Field Width: 2
 MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		TRAVEL SPEED	
644	4.9	85	4.7	00.	Stopped vehicle
9	0.1	1	0.1	01.	
				- .	Actual miles per hour
1	0.0	0	0.0	96.	
1	0.0	0	0.0	97.	97 mph or greater
5940	45.6	819	45.5	99.	Unknown

Variable 128 HAZARDOUS CARGO MD1: 9 Field Width: 1
 MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		HAZARDOUS CARGO	
12110	92.9	1661	92.2	0.	No
319	2.4	46	2.6	1.	Yes, Placarded
29	0.2	6	0.3	2.	Yes, Not Placarded
245	1.9	41	2.3	3.	Yes, Unknown if Placarded
327	2.5	47	2.6	9.	Unknown

Variable 129 VEHICLE TRAILERING MD1: 9 Field Width: 1
 MD2: None Type: Numeric

Trailing unit applies to any device connected to a motor vehicle by a hitch, including tractor-trailer combinations, boat hitched onto a motor-vehicle, etc. This does not include towed vehicles, such as a tow truck pulling a vehicle.

ALL Prcnt		FLNR Prcnt		VEHICLE TRAILERING	
4132	31.7	114	6.3	0.	No
8175	62.7	1500	83.3	1.	Yes, one trailing unit
469	3.6	136	7.6	2.	Yes, two trailing units
38	0.3	11	0.6	3.	Yes, three or more trailing units
52	0.4	7	0.4	4.	Yes, number of trailing units unknown
164	1.3	33	1.8	9.	Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS VEHICLE VARIABLES

Variable 130 VEHICLE CONFIGURATION MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	VEHICLE CONFIGURATION	
1519 11.7	38 2.1	0. Not Applicable, not a hvy truck or bus	
955 7.3	9 0.5	1. Single Unit Truck (SUT): 2axles, 6tires	
967 7.4	22 1.2	2. SUT: 3 or more axles	
1177 9.0	216 12.0	3. Truck/Trailer(s)	
240 1.8	42 2.3	4. Truck Tractor (bobtail)	
7122 54.7	1425 79.1	5. Tractor/Semi-trailer	
951 7.3	44 2.4	6. Heavy Truck, cannot classify	
0 0.0	0 0.0	7. Bus	
99 0.8	5 0.3	9. Unknown Vehicle Type	

Variable 131 NUMBER OF AXLES MD1: 99 Field Width: 2
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	NUMBER OF AXLES	
1519 11.7	38 2.1	00. Not Applicable, not a truck or bus	
1007 7.7	13 0.7	02. 2 axles	
1748 13.4	196 10.9	03. 3 axles	
666 5.1	89 4.9	04. 4 axles	
4108 31.5	946 52.5	05. 5 axles	
247 1.9	42 2.3	06. 6 axles	
63 0.5	4 0.2	07. 7 axles	
24 0.2	5 0.3	08. 8 axles	
12 0.1	3 0.2	09. 9 axles	
10 0.1	0 0.0	10. 10 axles	
20 0.2	2 0.1	11. 11 axles	
3 0.0	2 0.1	12. 12 axles	
3 0.0	0 0.0	13. 13 axles	
2 0.0	0 0.0	14. 14 axles	
2 0.0	0 0.0	18. 18 axles	
1 0.0	0 0.0	49. 49 axles	
1 0.0	0 0.0	97. 97 axles	
3490 26.8	456 25.3	98. Heavy Truck or Bus, number of axles unknown	
104 0.8	5 0.3	99. Unknown Type Unknown	

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS VEHICLE VARIABLES

Variable 132 CARGO BODY TYPE MD1: 99 Field Width: 2
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	CARGO BODY TYPE	
1527 11.7	38 2.1	00. Not Applicable, not a truck or bus	
4734 36.3	829 46.0	01. Van/Enclosed Box	
822 6.3	127 7.1	02. Cargo Tank	
1305 10.0	259 14.4	03. Flatbed	
934 7.2	58 3.2	04. Dump	
85 0.7	0 0.0	05. Concrete Mixer	
59 0.5	4 0.2	06. Auto Transporter	
242 1.9	2 0.1	07. Garbage/Refuse	
2266 17.4	342 19.0	08. Heavy Truck, Other Body Type	
0 0.0	0 0.0	09. Bus	
1056 8.1	142 7.9	99. Unknown Vehicle Type	

Variable 133 SPECIAL USE MD1: 9 Field Width: 1
MD2: None Type: Numeric

Indicates that the vehicle was used for a function other than the primary function for which it was designed.

ALL Prcnt	FLNR Prcnt	SPECIAL USE	
12998 99.8	1800 99.9	0. No special use	
0 0.0	0 0.0	1. Taxi	
0 0.0	0 0.0	2. Vehicle used as school bus	
0 0.0	0 0.0	3. Vehicle used as other bus	
19 0.1	0 0.0	4. Military	
1 0.0	0 0.0	5. Police	
0 0.0	0 0.0	6. Ambulance	
0 0.0	0 0.0	7. Firetruck	
12 0.1	1 0.1	9. Unknown	

Variable 134 EMERGENCY USE MD1: 9 Field Width: 1
MD2: None Type: Numeric

Refers to a vehicle travelling with physical emergency signals in use, such as red light blinking, siren sounding, etc.

ALL Prcnt	FLNR Prcnt	EMERGENCY USE	
13025 100.0	1801 100.0	0. No	
5 0.0	0 0.0	1. Yes	

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS VEHICLE VARIABLES

Variable	135	IMPACT POINT - INITIAL		MD1:	99	Field Width:	2
				MD2:	None	Type:	Numeric

ALL	Prcnt	FLNR	Prcnt	IMPACT POINT - INITIAL
374	2.9	69	3.8	00. Noncollision
915	7.0	145	8.1	01. 1 o'clock
233	1.8	32	1.8	02. 2 o'clock
373	2.9	50	2.8	03. 3 o'clock
175	1.3	30	1.7	04. 4 o'clock
249	1.9	41	2.3	05. 5 o'clock
1353	10.4	177	9.8	06. 6 o'clock
445	3.4	67	3.7	07. 7 o'clock
404	3.1	68	3.8	08. 8 o'clock
425	3.3	71	3.9	09. 9 o'clock
314	2.4	42	2.3	10. 10 o'clock
1287	9.9	170	9.4	11. 11 o'clock
5858	45.0	742	41.2	12. 12 o'clock
48	0.4	10	0.6	13. Top
393	3.0	69	3.8	14. Undercarriage
0	0.0	0	0.0	15. Underride
29	0.2	4	0.2	16. Override
155	1.2	14	0.8	99. Unknown

Variable	136	IMPACT POINT - PRINCIPAL		MD1:	99	Field Width:	2
				MD2:	None	Type:	Numeric

ALL	Prcnt	FLNR	Prcnt	IMPACT POINT - PRINCIPAL
372	2.9	69	3.8	00. Noncollision
815	6.3	125	6.9	01. 1 o'clock
231	1.8	27	1.5	02. 2 o'clock
391	3.0	48	2.7	03. 3 o'clock
171	1.3	29	1.6	04. 4 o'clock
262	2.0	47	2.6	05. 5 o'clock
1294	9.9	158	8.8	06. 6 o'clock
477	3.7	69	3.8	07. 7 o'clock
384	2.9	60	3.3	08. 8 o'clock
472	3.6	72	4.0	09. 9 o'clock
287	2.2	38	2.1	10. 10 o'clock
1120	8.6	151	8.4	11. 11 o'clock
5732	44.0	728	40.4	12. 12 o'clock
135	1.0	19	1.1	13. Top
608	4.7	124	6.9	14. Undercarriage
0	0.0	0	0.0	15. Underride
117	0.9	20	1.1	16. Override
162	1.2	17	0.9	99. Unknown

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Variable	142	VEHICLE MANEUVER	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

ALL	Prcnt	FLNR	Prcnt	VEHICLE MANEUVER
9142	70.2	1253	69.6	01. Going straight
268	2.1	37	2.1	02. Slowing or stopping in traffic lane
150	1.2	14	0.8	03. Starting in traffic lane
644	4.9	84	4.7	04. Stopped in traffic lane
174	1.3	31	1.7	05. Passing or overtaking another vehicle
13	0.1	1	0.1	06. Leaving a parked position
6	0.0	1	0.1	07. Parked
7	0.1	0	0.0	08. Entering a parked position
259	2.0	43	2.4	09. Maneuvering to avoid an animal, pedestrian, object, another vehicle, etc.
17	0.1	2	0.1	10. Turning right: Right Turn On Red (RTOR) permitted
0	0.0	0	0.0	11. Turning right: RTOR not permitted
172	1.3	25	1.4	12. Turning right: RTOR not known if permitted or n/a
530	4.1	70	3.9	13. Turning left
43	0.3	10	0.6	14. Making a U-turn
180	1.4	18	1.0	15. Backing up (other than for parking purposes)
166	1.3	29	1.6	16. Changing lanes or merging
1205	9.2	179	9.9	17. Negotiating a curve
40	0.3	3	0.2	98. Other
14	0.1	1	0.1	99. Unknown

Variable	143	CRASH AVOIDANCE MANEUVER	MD1:	None	Field Width:	1
			MD2:	None	Type:	Numeric

ALL	Prcnt	FLNR	Prcnt	CRASH AVOIDANCE MANEUVER
5136	39.4	701	38.9	0. No Avoidance Maneuver Reported
1400	10.7	193	10.7	1. Braking (skidmarks evident)
249	1.9	36	2.0	2. Braking (no skidmarks; driver stated)
187	1.4	22	1.2	3. Braking (other reported evidence)
1103	8.5	152	8.4	4. Steering (evidence or stated)
1056	8.1	167	9.3	5. Steer & Braking (evidence or stated)
143	1.1	25	1.4	6. Other Avoidance Maneuver
3756	28.8	505	28.0	8. Not Reported (by Police)

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Variable 144 MOST HARMFUL EVENT MD1: 99 Field Width: 2
 MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	MOST HARMFUL EVENT		
848	6.5	131	7.3	01. Overturn
178	1.4	47	2.6	02. Fire/explosion
18	0.1	2	0.1	03. Immersion
0	0.0	0	0.0	04. Gas inhalation
60	0.5	0	0.0	05. Fell from vehicle
3	0.0	1	0.1	06. Injured in vehicle
19	0.1	2	0.1	07. Other noncollision
951	7.3	132	7.3	08. Pedestrian
185	1.4	24	1.3	09. Pedalcycle
91	0.7	15	0.8	10. Railway train
2	0.0	1	0.1	11. Animal
9934	76.2	1330	73.8	12. Motor-vehicle in transport
228	1.7	40	2.2	13. Motor-vehicle in transport in other roadway
68	0.5	14	0.8	14. Parked motor-vehicle
13	0.1	0	0.0	15. Other type nonmotorist
2	0.0	1	0.1	16. Thrown or falling object
2	0.0	0	0.0	17. Boulder
18	0.1	3	0.2	18. Other object (not fixed)
10	0.1	2	0.1	19. Building
0	0.0	0	0.0	20. Impact attenuator/crash cushion
40	0.3	6	0.3	21. Bridge pier or abutment
7	0.1	2	0.1	22. Bridge parapet end
16	0.1	4	0.2	23. Bridge rail
59	0.5	11	0.6	24. Guardrail
27	0.2	2	0.1	25. Concrete traffic barrier
1	0.0	0	0.0	26. Other longitudinal barrier type
4	0.0	2	0.1	27. Highway/traffic sign post
0	0.0	0	0.0	28. Overhead sign support
5	0.0	2	0.1	29. Luminaire/light support
23	0.2	1	0.1	30. Utility pole
3	0.0	0	0.0	31. Other post, pole or supports
15	0.1	2	0.1	32. Culvert
0	0.0	0	0.0	33. Curb
22	0.2	3	0.2	34. Ditch
22	0.2	3	0.2	35. Embankment - earth
9	0.1	3	0.2	36. Embankment - rock, stone or concrete
29	0.2	0	0.0	37. Embankment - material type unknown
5	0.0	2	0.1	38. Fence
11	0.1	0	0.0	39. Wall
0	0.0	0	0.0	40. Fire hydrant
0	0.0	0	0.0	41. Shrubbery
83	0.6	10	0.6	42. Tree
8	0.1	3	0.2	43. Other fixed object
0	0.0	0	0.0	44. Pavement surface irregularity (pothole, grooved, grates)
8	0.1	0	0.0	45. Transport device used as equipment

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS VEHICLE VARIABLES

ALL Prcnt	FLNR Prcnt	Var 144	MOST HARMFUL EVENT
3	0.0	0	0.0
		99.	Unknown

The following list shows the code values given above grouped by collision type.

Noncollision Event

- 01. Overturn
- 02. Fire/explosion
- 03. Immersion
- 04. Gas inhalation
- 05. Fell from vehicle
- 06. Injured in vehicle
- 07. Other noncollision
- 16. Thrown or falling object
- 44. Pavement surface irregularity
(pothole, grooved, grates)

Collision With Object Not Fixed

- 08. Pedestrian
- 09. Pedalcycle
- 10. Railway train
- 11. Animal
- 12. Motor-vehicle in transport
- 13. Motor-vehicle in transport in other roadway
- 14. Parked motor-vehicle
- 15. Other type nonmotorist
- 18. Other object (not fixed)
- 45. Transport device used as equipment

Collision With Fixed Object

- 17. Boulder
- 19. Building
- 20. Impact attenuator/crash cushion
- 21. Bridge pier or abutment
- 22. Bridge parapet end
- 23. Bridge rail
- 24. Guardrail
- 25. Concrete traffic barrier
- 26. Other longitudinal barrier type
- 27. Highway/traffic sign post
- 28. Overhead sign support
- 29. Luminaire/light support
- 30. Utility pole
- 31. Other post, pole or supports
- 32. Culvert
- 33. Curb
- 34. Ditch
- 35. Embankment - earth
- 36. Embankment - rock, stone or concrete

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS VEHICLE VARIABLES

ALL Prcnt FLNR Prcnt Var 144 MOST HARMFUL EVENT

- 37. Embankment - material type unknown
- 38. Fence
- 39. Wall
- 40. Fire hydrant
- 41. Shrubbery
- 42. Tree
- 43. Other fixed object

Variable 145 NUMBER OF DEATHS IN VEH MD1: 99 Field Width: 2
 MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	NUMBER OF DEATHS IN VEHICLE		
11210	86.0	1518	84.3	00. 0 deaths
1750	13.4	271	15.0	01. 1 death
64	0.5	11	0.6	02. 2 deaths
6	0.0	1	0.1	03. 3 deaths

Variable 151 VIN TRUCK FUEL CODE MD1: None Field Width: 1
 MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	VIN TRUCK FUEL CODE		
0	0.0	0	0.0	1. (E) Electric operated
961	7.4	0	0.0	2. (G) Gas
9535	73.2	1455	80.8	3. (D) Diesel
16	0.1	0	0.0	4. (P) Propane
4	0.0	0	0.0	7. (*) Not available from VIN
118	0.9	31	1.7	8. (b) Unknown
2396	18.4	315	17.5	9. (9) No VIN information

Variable 152 VIN TRUCK WEIGHT CODE MD1: 9 Field Width: 1
 MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	VIN TRUCK WEIGHT CODE		
4	0.0	0	0.0	1. 6,000 or less
8	0.1	0	0.0	2. 6,001 - 10,000
456	3.5	0	0.0	3. 10,001 - 14,000
172	1.3	0	0.0	4. 14,001 - 16,000
105	0.8	0	0.0	5. 16,001 - 19,500
788	6.0	0	0.0	6. 19,501 - 26,000
1250	9.6	86	4.8	7. 26,001 - 33,000
7836	60.1	1400	77.7	8. 33,001 or more
2411	18.5	315	17.5	9. Value not coded

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS VEHICLE VARIABLES

Variable 153 VIN TRUCK SERIES MD1: None Field Width: 3
MD2: None Type: Alphabetic

Variable 155 LENGTH OF VIN MD1: 99 Field Width: 2
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		LENGTH OF VIN
0	0.0	0	0.0	00.
- . Actual length				
9837	75.5	1518	84.3	17.
538	4.1	69	3.8	99. Unknown VIN length

Variables 156 through 161 are added by UMTRI to indicate the number of persons in the vehicle with injury severities of level zero through five, respectively, for occupant variable V325 (INJURY SEVERITY).

Variable 156 NUMBER UNINJURED IN VEH MD1: None Field Width: 2
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		NO. UNINJURED IN VEHICLE
5400	41.4	730	40.5	00. 0 uninjured
6744	51.8	968	53.7	01. 1 uninjured
790	6.1	100	5.6	02. 2 uninjured
71	0.5	0	0.0	03. 3 uninjured
19	0.1	2	0.1	04. 4 uninjured
3	0.0	0	0.0	05. 5 uninjured
3	0.0	1	0.1	06. 6 uninjured

Variable 157 NUMBER C-INJURED IN VEH MD1: None Field Width: 2
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		NO. C-INJURED IN VEHICLE
11371	87.3	1578	87.6	00. 0 C-injured
1551	11.9	213	11.8	01. 1 C-injured
97	0.7	10	0.6	02. 2 C-injured
8	0.1	0	0.0	03. 3 C-injured
2	0.0	0	0.0	04. 4 C-injured
1	0.0	0	0.0	09. 9 C-injured

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
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Variable 158 NUMBER B-INJURED IN VEH MD1: None Field Width: 2
 MD2: None Type: Numeric

	ALL Prcnt	FLNR Prcnt	NO. B-INJURED IN VEHICLE	
11498	88.2	1637 90.9	00.	0 B-injured
1427	11.0	153 8.5	01.	1 B-injured
91	0.7	11 0.6	02.	2 B-injured
9	0.1	0 0.0	03.	3 B-injured
5	0.0	0 0.0	04.	4 B-injured

Variable 159 NUMBER A-INJURED IN VEH MD1: None Field Width: 2
 MD2: None Type: Numeric

	ALL Prcnt	FLNR Prcnt	NO. A-INJURED IN VEHICLE	
12173	93.4	1682 93.4	00.	0 A-injured
804	6.2	111 6.2	01.	1 A-injured
49	0.4	7 0.4	02.	2 A-injured
3	0.0	1 0.1	03.	3 A-injured
1	0.0	0 0.0	04.	4 A-injured

Variable 160 NUMBER K-INJURED IN VEH MD1: None Field Width: 2
 MD2: None Type: Numeric

	ALL Prcnt	FLNR Prcnt	NO. K-INJURED IN VEHICLE	
11210	86.0	1518 84.3	00.	0 killed
1750	13.4	271 15.0	01.	1 killed
64	0.5	11 0.6	02.	2 killed
6	0.0	1 0.1	03.	3 killed

Variable 161 NUM UNK INJURED IN VEH MD1: None Field Width: 2
 MD2: None Type: Numeric

	ALL Prcnt	FLNR Prcnt	NO. UNK INJURED IN VEHICLE	
13000	99.8	1794 99.6	00.	0 unknown injured
27	0.2	6 0.3	01.	1 unknown injured
2	0.0	1 0.1	02.	2 unknown injured
1	0.0	0 0.0	03.	3 unknown injured

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS VEHICLE VARIABLES

Variable	162	VEH. RELATED FACTORS-1	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

ALL	Prcnt	FLNR	Prcnt	1ST RESPONSE
11837	90.8	1662	92.3	00. None
				Defective
139	1.1	12	0.7	01. Tires
353	2.7	44	2.4	02. Brake system
17	0.1	3	0.2	03. Steering system - tie-rod, kingpin, ball-joint, etc.
7	0.1	1	0.1	04. Suspension - springs, shock-absorbers, MacPherson-struts, control-arm, etc.
15	0.1	2	0.1	05. Power train - universal-joint, drive-shaft, transmission, etc.
1	0.0	0	0.0	06. Exhaust system
12	0.1	1	0.1	07. Headlights
4	0.0	0	0.0	08. Signal lights
50	0.4	4	0.2	09. Other lights
0	0.0	0	0.0	10. Horn
1	0.0	0	0.0	11. Mirrors
0	0.0	0	0.0	12. Wipers
0	0.0	0	0.0	13. Driver seating and control
4	0.0	1	0.1	14. Body, doors, other
36	0.3	8	0.4	15. Trailer hitch
14	0.1	1	0.1	16. Wheels
65	0.5	5	0.3	18. Other vehicle defects
110	0.8	4	0.2	31. Hit-and-run vehicle
0	0.0	0	0.0	32. Vehicle registration for handicapped
0	0.0	0	0.0	33. Vehicle being pushed by nonmotorist
365	2.8	53	2.9	99. Unknown

Variable	163	VEH. RELATED FACTORS-2	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

ALL	Prcnt	FLNR	Prcnt	2ND RESPONSE
12568	96.5	1733	96.2	00. None
				Defective
10	0.1	3	0.2	01. Tires
27	0.2	1	0.1	02. Brake system
8	0.1	2	0.1	03. Steering system - tie-rod, kingpin, ball-joint, etc.
4	0.0	2	0.1	04. Suspension - springs, shock-absorbers, MacPherson-struts, control-arm, etc.

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
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ALL Prcnt		FLNR Prcnt		Var 163	VEH. RELATED FACTORS-2
0	0.0	0	0.0	05.	Power train - universal-joint, drive-shaft, transmission, etc.
0	0.0	0	0.0	06.	Exhaust system
2	0.0	0	0.0	07.	Headlights
6	0.0	1	0.1	08.	Signal lights
4	0.0	0	0.0	09.	Other lights
0	0.0	0	0.0	10.	Horn
2	0.0	2	0.1	11.	Mirrors
1	0.0	0	0.0	12.	Wipers
0	0.0	0	0.0	13.	Driver seating and control
2	0.0	0	0.0	14.	Body, doors, other
3	0.0	0	0.0	15.	Trailer hitch
1	0.0	1	0.1	16.	Wheels
23	0.2	2	0.1	18.	Other vehicle defects
4	0.0	1	0.1	31.	Hit-and-run vehicle
0	0.0	0	0.0	32.	Vehicle registration for handicapped
0	0.0	0	0.0	33.	Vehicle being pushed by nonmotorist
365	2.8	53	2.9	99.	Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
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The DRIVER Variables

Variables 207 through 229 describe the driver of the truck involved in the accident.

Variable 207 DRIVER PRESENCE MD1: 9 Field Width: 1
 MD2: None Type: Numeric

ALL Prct		FLNR Prct		DRIVER PRESENCE
12841	98.5	1781	98.9	1. Driver operated vehicle
169	1.3	18	1.0	2. Driverless
20	0.2	2	0.1	3. Driver left scene
0	0.0	0	0.0	9. Unknown

Variable 208 DRIVER DRINKING MD1: 9 Field Width: 1
 MD2: None Type: Numeric

ALL Prct		FLNR Prct		DRIVER DRINKING
12600	96.7	1743	96.8	0. No drinking reported
430	3.3	58	3.2	1. Drinking reported
0	0.0	0	0.0	9. Unknown

Variable 209 LICENSE STATE MD1: 99 Field Width: 2
 MD2: None Type: Numeric

ALL Prct		FLNR Prct		LICENSE STATE
407	3.1	59	3.3	01. Alabama
6	0.0	1	0.1	02. Alaska
0	0.0	0	0.0	03. American Samoa
149	1.1	19	1.1	04. Arizona
255	2.0	31	1.7	05. Arkansas
1010	7.8	257	14.3	06. California
180	1.4	17	0.9	08. Colorado
63	0.5	1	0.1	09. Connecticut
49	0.4	5	0.3	10. Delaware
16	0.1	0	0.0	11. District of Columbia
759	5.8	72	4.0	12. Florida
479	3.7	63	3.5	13. Georgia
0	0.0	0	0.0	14. Guam
4	0.0	0	0.0	15. Hawaii
77	0.6	16	0.9	16. Idaho
456	3.5	70	3.9	17. Illinois

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ALL	Prcnt	FLNR	Prcnt	Var 209	LICENSE STATE
348	2.7	55	3.1	18.	Indiana
253	1.9	53	2.9	19.	Iowa
141	1.1	22	1.2	20.	Kansas
308	2.4	35	1.9	21.	Kentucky
259	2.0	51	2.8	22.	Louisiana
54	0.4	1	0.1	23.	Maine
143	1.1	9	0.5	24.	Maryland
76	0.6	3	0.2	25.	Massachusetts
367	2.8	45	2.5	26.	Michigan
196	1.5	28	1.6	27.	Minnesota
286	2.2	31	1.7	28.	Mississippi
379	2.9	58	3.2	29.	Missouri
46	0.4	7	0.4	30.	Montana
140	1.1	22	1.2	31.	Nebraska
47	0.4	6	0.3	32.	Nevada
39	0.3	5	0.3	33.	New Hampshire
200	1.5	11	0.6	34.	New Jersey
99	0.8	13	0.7	35.	New Mexico
405	3.1	26	1.4	36.	New York
592	4.5	89	4.9	37.	North Carolina
45	0.3	8	0.4	38.	North Dakota
565	4.3	78	4.3	39.	Ohio
222	1.7	41	2.3	40.	Oklahoma
164	1.3	32	1.8	41.	Oregon
556	4.3	64	3.6	42.	Pennsylvania
0	0.0	0	0.0	43.	Puerto Rico
35	0.3	5	0.3	44.	Rhode Island
260	2.0	44	2.4	45.	South Carolina
67	0.5	16	0.9	46.	South Dakota
341	2.6	36	2.0	47.	Tennessee
1027	7.9	139	7.7	48.	Texas
72	0.6	6	0.3	49.	Utah
33	0.3	3	0.2	50.	Vermont
320	2.5	28	1.6	51.	Virginia
0	0.0	0	0.0	52.	Virgin Islands
174	1.3	28	1.6	53.	Washington
112	0.9	13	0.7	54.	West Virginia
324	2.5	26	1.4	55.	Wisconsin
28	0.2	2	0.1	56.	Wyoming
4	0.0	0	0.0	94.	Military
102	0.8	24	1.3	95.	Canada
5	0.0	1	0.1	96.	Mexico
13	0.1	2	0.1	97.	Other foreign country
273	2.1	24	1.3	99.	Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS DRIVER VARIABLES

Variable	210	LICENSE STATUS		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric
		ALL Prcnt	FLNR Prcnt	LICENSE STATUS, REGARDLESS OF VEH. DRIVEN			
				No valid license			
				0. Not licensed			
				1. Suspended			
				2. Revoked			
				3. Expired			
				4. Canceled or denied			
				Valid license			
				5. Single class license			
				6. Multiple class license			
				7. Learner's permit			
				8. Temporary			
				9. Unknown			

Variable	211	LICENSE CLASS COMPLIANCE		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric
		ALL Prcnt	FLNR Prcnt	LICENSE COMPLIANCE (FOR THIS CLASS VEH.)			
				0. Not licensed			
				1. No license required for this class vehicle			
				2. No valid license for this class vehicle			
				3. Valid license for this class vehicle			
				8. Unknown if CDL and/or CDL endorsement required for this vehicle			
				9. Unknown			

Variable	212	CDL LICENSE STATUS		MD1:	99	Field Width:	2
				MD2:	None	Type:	Numeric

Codes 0-9 valid for 1991-1992. Codes 10-19 valid for 1993.

ALL Prcnt	FLNR Prcnt	COMMERCIAL MOTOR VEHICLE LICENSE STATUS					
3452	26.5	359	19.9	00. No Commercial Driver's License (CDL) (CDL not required for this veh)			
93	0.7	11	0.6	01. No CDL (CDL Required)			
71	0.5	3	0.2	02. No CDL (Unknown if CDL Required)			

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
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ALL Prcnt	FLNR Prcnt	Var 212	CDL LICENSE STATUS
1167 9.0	196 10.9	03.	CDL (CDL Not Required)
3114 23.9	507 28.2	04.	CDL (CDL Required)
299 2.3	39 2.2	05.	CDL (Unknown if CDL Required)
16 0.1	5 0.3	06.	Unknown CDL (CDL Not Required)
36 0.3	6 0.3	07.	Unknown CDL (CDL Required)
331 2.5	46 2.6	09.	Unknown CDL (Unknown if CDL Required)
507 3.9	10 0.6	10.	No CDL
37 0.3	6 0.3	11.	Suspended
4 0.0	0 0.0	12.	Revoked
18 0.1	5 0.3	13.	Expired
6 0.0	1 0.1	14.	Cancelled or denied
4 0.0	0 0.0	15.	Disqualified
3688 28.3	582 32.3	16.	Valid
5 0.0	1 0.1	17.	Learner's permit
23 0.2	8 0.4	18.	Other - not valid
159 1.2	16 0.9	19.	Unknown

Variable 213 LICENSE ENDORSEMENTS MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	COMPLIANCE WITH LICENSE ENDORSEMENTS
8969 68.8	1107 61.5	0. No Endorsements
2335 17.9	435 24.2	1. Endorsement(s) complied with
46 0.4	5 0.3	2. Endorsement(s) not complied with
803 6.2	120 6.7	3. Endorsement(s), compliance unknown
877 6.7	134 7.4	9. Unknown

Variable 214 LICENSE RESTRICTIONS MET MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	COMPLIANCE WITH LICENSE RESTRICTIONS
9652 74.1	1302 72.3	0. No restrictions or not applicable
718 5.5	103 5.7	1. Restrictions complied with
14 0.1	0 0.0	2. Restrictions not complied with
2123 16.3	319 17.7	3. Restrictions, compliance unknown
523 4.0	77 4.3	9. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
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<u>Variable</u>	<u>215</u>	<u>VIOLATIONS CHARGED</u>		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric

	ALL Prcnt	FLNR Prcnt	VIOLATIONS CHARGED	
10880	83.5	1534	85.2	0. None
64	0.5	6	0.3	1. Alcohol or drugs
106	0.8	21	1.2	2. Speeding
6	0.0	0	0.0	3. Alcohol or drugs and speeding
99	0.8	7	0.4	4. Reckless driving
25	0.2	0	0.0	5. Driving with a suspended or revoked license
926	7.1	122	6.8	6. Other moving violation
204	1.6	29	1.6	7. Nonmoving violation
109	0.8	15	0.8	8. Violation, type unknown or other violation
611	4.7	67	3.7	9. Unknown

<u>Variable</u>	<u>216</u>	<u>NUMBER OF PREV ACCIDENTS</u>		MD1:	99	Field Width:	2
				MD2:	None	Type:	Numeric

	ALL Prcnt	FLNR Prcnt	NUMBER OF PREVIOUS RECORDED ACCIDENTS	
9818	75.3	1363	75.7	00. 0 accidents
2122	16.3	299	16.6	01. 1 accident
451	3.5	71	3.9	02. 2 accidents
89	0.7	6	0.3	03. 3 accidents
16	0.1	4	0.2	04. 4 accidents
7	0.1	0	0.0	05. 5 accidents
527	4.0	58	3.2	99. Unknown

<u>Variable</u>	<u>217</u>	<u>NUMBER PREV SUSPENSIONS</u>		MD1:	99	Field Width:	2
				MD2:	None	Type:	Numeric

	ALL Prcnt	FLNR Prcnt	NUMBER OF PREVIOUS SUSPENSIONS/REVOCATION	
11410	87.6	1608	89.3	00. 0 suspensions
755	5.8	94	5.2	01. 1 suspension
212	1.6	18	1.0	02. 2 suspensions
82	0.6	13	0.7	03. 3 suspensions
41	0.3	5	0.3	04. 4 suspensions
33	0.3	2	0.1	05. 5 suspensions
2	0.0	2	0.1	40. 40 suspensions
472	3.6	58	3.2	99. Unknown

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Variable	218	<u>NUMBER OF PREV DWI CONV</u>	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

ALL	Prcnt	FLNR	Prcnt	NUMBER OF PREVIOUS DWI CONVICTIONS		
12340	94.7	1725	95.8	00.	0 DWI convictions	
196	1.5	17	0.9	01.	1 DWI conviction	
21	0.2	0	0.0	02.	2 DWI convictions	
1	0.0	1	0.1	04.	4 DWI convictions	
472	3.6	58	3.2	99.	Unknown	

Variable	219	<u>NUM PREV SPEEDING CONV</u>	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

ALL	Prcnt	FLNR	Prcnt	NUMBER OF PREVIOUS SPEEDING CONVICTIONS		
8398	64.5	1085	60.2	00.	0 speed convictions	
2539	19.5	382	21.2	01.	1 speed conviction	
920	7.1	162	9.0	02.	2 speed convictions	
389	3.0	60	3.3	03.	3 speed convictions	
173	1.3	28	1.6	04.	4 speed convictions	
81	0.6	15	0.8	05.	5 speed convictions	
24	0.2	3	0.2	06.	6 speed convictions	
16	0.1	4	0.2	07.	7 speed convictions	
11	0.1	2	0.1	08.	8 speed convictions	
5	0.0	1	0.1	09.	9 speed convictions	
1	0.0	0	0.0	10.	10 speed convictions	
1	0.0	1	0.1	11.	11 speed convictions	
472	3.6	58	3.2	99.	Unknown	

Variable	220	<u>NUM PREV OTHER MV CONV</u>	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

ALL	Prcnt	FLNR	Prcnt	NO. PREVIOUS OTHER HARMFUL MV CONVICTIONS		
9765	74.9	1301	72.2	00.	0 other convictions	
1989	15.3	307	17.0	01.	1 other conviction	
539	4.1	91	5.1	02.	2 other convictions	
153	1.2	26	1.4	03.	3 other convictions	
61	0.5	8	0.4	04.	4 other convictions	
26	0.2	1	0.1	05.	5 other convictions	
13	0.1	5	0.3	06.	6 other convictions	
5	0.0	0	0.0	07.	7 other convictions	
4	0.0	1	0.1	08.	8 other convictions	
2	0.0	2	0.1	10.	10 other convictions	
1	0.0	1	0.1	11.	11 other convictions	
472	3.6	58	3.2	99.	Unknown	

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS DRIVER VARIABLES

Variable 221 LAST ACCIDENT - MONTH MD1: 99 Field Width: 2
 MD2: None Type: Numeric

	ALL Prcnt	FLNR Prcnt	LAST ACC./SUSPENSION/CONVICTION - MONTH	
5553	42.6	670 37.2	00. No record	
579	4.4	80 4.4	01. January	
483	3.7	63 3.5	02. February	
606	4.7	119 6.6	03. March	
576	4.4	81 4.5	04. April	
579	4.4	83 4.6	05. May	
600	4.6	96 5.3	06. June	
618	4.7	106 5.9	07. July	
616	4.7	95 5.3	08. August	
590	4.5	91 5.1	09. September	
668	5.1	88 4.9	10. October	
563	4.3	91 5.1	11. November	
526	4.0	80 4.4	12. December	
473	3.6	58 3.2	99. Unknown	

Variable 222 LAST ACCIDENT - YEAR MD1: 99 Field Width: 2
 MD2: None Type: Numeric

	ALL Prcnt	FLNR Prcnt	LAST ACC./SUSPENSION/CONVICTION - YEAR	
5553	42.6	670 37.2	00. No record	
188	1.4	27 1.5	88. 1988	
830	6.4	137 7.6	89. 1989	
1677	12.9	258 14.3	90. 1990	
2178	16.7	316 17.5	91. 1991	
1508	11.6	237 13.2	92. 1992	
623	4.8	98 5.4	93. 1993	
473	3.6	58 3.2	99. Unknown	

Variable 223 FIRST ACCIDENT - MONTH MD1: 99 Field Width: 2
 MD2: None Type: Numeric

	ALL Prcnt	FLNR Prcnt	1ST ACC./SUSPENSION/CONVICTION - MONTH	
5553	42.6	670 37.2	00. No record	
623	4.8	88 4.9	01. January	
545	4.2	81 4.5	02. February	
589	4.5	99 5.5	03. March	
594	4.6	85 4.7	04. April	
581	4.5	101 5.6	05. May	
603	4.6	90 5.0	06. June	
560	4.3	95 5.3	07. July	
610	4.7	98 5.4	08. August	
566	4.3	91 5.1	09. September	

FREIGHTLINER TRUCKS IN TIPA, 1991-1993
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ALL Prcnt		FLNR Prcnt		Var 223	FIRST ACCIDENT - MONTH
620	4.8	80	4.4	10.	October
574	4.4	89	4.9	11.	November
539	4.1	76	4.2	12.	December
473	3.6	58	3.2	99.	Unknown

Variable	224	FIRST ACCIDENT - YEAR	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

ALL Prcnt		FLNR Prcnt		1ST ACCIDENT/SUSPENSION/CONVICTION - YEAR
5553	42.6	670	37.2	00. No record
599	4.6	88	4.9	88. 1988
1626	12.5	252	14.0	89. 1989
2066	15.9	321	17.8	90. 1990
1693	13.0	260	14.4	91. 1991
794	6.1	118	6.6	92. 1992
226	1.7	34	1.9	93. 1993
473	3.6	58	3.2	99. Unknown

Variable	227	DRIVER RELATED FACTORS-1	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

ALL Prcnt		FLNR Prcnt		1ST RESPONSE
7991	61.3	1073	59.6	00. None

Physical/Mental Condition

192	1.5	43	2.4	01. Drowsy, sleepy, asleep, fatigued
9	0.1	0	0.0	02. Ill, blackout
3	0.0	1	0.1	03. Emotional (e.g., depression, angry, disturbed)
7	0.1	0	0.0	04. Drugs - medication
16	0.1	2	0.1	05. Other drugs
434	3.3	64	3.6	06. Inattentive (talking, eating, etc.)
0	0.0	0	0.0	07. Restricted to wheelchair
0	0.0	0	0.0	08. Paraplegic
2	0.0	0	0.0	09. Impaired due to previous injury
1	0.0	1	0.1	10. Deaf
2	0.0	1	0.1	11. Other physical impairment
0	0.0	0	0.0	12. Mother of dead fetus

Miscellaneous Causes

2	0.0	1	0.1	19. Legally driving on suspended or revoked license
132	1.0	15	0.8	20. Leaving vehicle unattended with engine running, leaving vehicle unattended in roadway

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS DRIVER VARIABLES

ALL	Prcnt	FLNR	Prcnt	Var 227	DRIVER RELATED FACTORS-1
73	0.6	9	0.5		21. Overloading or improper loading of vehicle with passengers or cargo
9	0.1	0	0.0		22. Towing or pushing vehicle improperly
10	0.1	0	0.0		23. Failing to dim or to have lights on when required
82	0.6	11	0.6		24. Operating without required equipment
0	0.0	0	0.0		25. Creating unlawful noise or using equipment prohibited by law
151	1.2	18	1.0		26. Following improperly
57	0.4	10	0.6		27. Improper or erratic lane changing
760	5.8	121	6.7		28. Failure to keep in proper lane or running off road
3	0.0	1	0.1		29. Illegal driving on road shoulder, in ditch, on sidewalk or on median
12	0.1	8	0.4		30. Making improper entry to or exit from trafficway
101	0.8	10	0.6		31. Starting or backing improperly
1	0.0	0	0.0		32. Opening vehicle closure into moving traffic or while vehicle is in motion
20	0.2	5	0.3		33. Passing where prohibited by signs, markings, hill or curve, or school bus displaying warning not to pass
3	0.0	0	0.0		34. Passing on wrong side
33	0.3	7	0.4		35. Passing with insufficient distance or inadequate visibility, or failing to yield to overtaking vehicle
245	1.9	36	2.0		36. Operating the vehicle in an erratic, reckless, careless or negligent manner
1	0.0	0	0.0		37. High speed chase - police in pursuit
567	4.4	63	3.5		38. Failure to yield right-of-way
221	1.7	30	1.7		39. Failure to obey traffic signs, control devices or traffic officers, or failure to observe safety zone
1	0.0	1	0.1		40. Passing through or around barrier
5	0.0	0	0.0		41. Failure to observe warnings or instructions on vehicles displaying them
3	0.0	2	0.1		42. Failure to signal intentions
0	0.0	0	0.0		43. Giving wrong signal
645	5.0	113	6.3		44. Driving too fast for conditions or in excess of posted maximum
29	0.2	6	0.3		45. Driving less than posted minimum
0	0.0	0	0.0		46. Operating at erratic or suddenly changing speeds

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS DRIVER VARIABLES

ALL Prcnt	FLNR Prcnt	Var 227	DRIVER RELATED FACTORS-1	
4	0.0	1	0.1	47. Making right turn from left turn lane, making left turn from right turn lane
77	0.6	19	1.1	48. Making other improper turn
1	0.0	0	0.0	49. Failure to comply with physical restrictions of license
4	0.0	1	0.1	50. Driving wrong way on one-way trafficway
66	0.5	4	0.2	51. Driving on wrong side of road
1	0.0	0	0.0	52. Operator inexperience
1	0.0	1	0.1	53. Unfamiliar with roadway
83	0.6	10	0.6	54. Stopping in roadway (vehicle not abandoned)
0	0.0	0	0.0	55. Underriding a parked truck
3	0.0	0	0.0	56. Low tire pressure
2	0.0	1	0.1	57. Locked wheel
10	0.1	2	0.1	58. Over correcting
1	0.0	0	0.0	59. Getting off/out of or on/in to moving vehicle
0	0.0	0	0.0	60. Getting off/out of or on/in to nonmoving vehicle
Vision obscured by:				
116	0.9	20	1.1	61. Rain, snow, fog, smoke, sand, dust
10	0.1	1	0.1	62. Reflected glare, bright sunlight, headlights
27	0.2	1	0.1	63. Curve, hill, or other design features (including traffic signs, embankment)
6	0.0	0	0.0	64. Building, billboard, etc.
22	0.2	0	0.0	65. Trees, crops, vegetation
15	0.1	2	0.1	66. Moving vehicle (including load)
6	0.0	0	0.0	67. Parked vehicle
0	0.0	0	0.0	68. Splash or spray of passing vehicle
0	0.0	0	0.0	69. Inadequate defrost or defog system
0	0.0	0	0.0	70. Inadequate lighting system
19	0.1	3	0.2	71. Obstructing angles on vehicle
0	0.0	0	0.0	72. Mirrors - rear view
0	0.0	0	0.0	73. Mirrors - other
0	0.0	0	0.0	74. Head restraints
0	0.0	0	0.0	75. Broken or improperly cleaned windshield
18	0.1	0	0.0	76. Other obstruction
Avoiding, swerving or sliding due to:				
4	0.0	0	0.0	77. Severe crosswind
0	0.0	0	0.0	78. Wind from passing truck
14	0.1	0	0.0	79. Slippery or loose surface
25	0.2	2	0.1	80. Tire blow-out or flat

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
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ALL Prcnt	FLNR Prcnt	Var 227	DRIVER RELATED FACTORS-1	
4	0.0	0	0.0	81. Debris or objects in road
3	0.0	0	0.0	82. Ruts, holes, bumps in road
11	0.1	3	0.2	83. Animals in road
97	0.7	13	0.7	84. Vehicle in road
3	0.0	0	0.0	85. Phantom vehicle
4	0.0	1	0.1	86. Pedestrian, pedalcyclist, or other nonmotorist in road
59	0.5	8	0.4	87. Water, snow, oilslick on road
Other miscellaneous factors				
66	0.5	1	0.1	90. Hit-and-run vehicle driver
158	1.2	24	1.3	91. Nontraffic violation charged - manslaughter or other homicide (offense committed without malice)
151	1.2	12	0.7	92. Other nonmoving traffic violations
Possible Distractions (inside vehicle)				
2	0.0	0	0.0	93. Cellular phone
0	0.0	0	0.0	94. Fax machine
0	0.0	0	0.0	95. Computer
3	0.0	0	0.0	96. On-board Navigation system
0	0.0	0	0.0	97. Two-way radio
0	0.0	0	0.0	98. Head-up display
111	0.9	19	1.1	99. Unknown

Variable 228 DRIVER RELATED FACTORS-2 MD1: 99 Field Width: 2
 MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	2ND RESPONSE		
10612	81.4	1407 78.1	00. None	
Physical/Mental Condition				
32	0.2	11	0.6	01. Drowsy, sleepy, asleep, fatigued
4	0.0	0	0.0	02. Ill, blackout
0	0.0	0	0.0	03. Emotional (e.g., depression, angry, disturbed)
2	0.0	0	0.0	04. Drugs - medication
8	0.1	2	0.1	05. Other drugs
122	0.9	21	1.2	06. Inattentive (talking, eating, etc.)
0	0.0	0	0.0	07. Restricted to wheelchair
0	0.0	0	0.0	08. Paraplegic
0	0.0	0	0.0	09. Impaired due to previous injury
0	0.0	0	0.0	10. Deaf
1	0.0	0	0.0	11. Other physical impairment

FREIGHTLINER TRUCKS IN TIPA, 1991-1993
FARS DRIVER VARIABLES

ALL	Prcnt	FLNR	Prcnt	Var 228	DRIVER RELATED FACTORS-2
0	0.0	0	0.0		12. Mother of dead fetus
Miscellaneous Causes					
1	0.0	0	0.0		19. Legally driving on suspended or revoked license
4	0.0	0	0.0		20. Leaving vehicle unattended with engine running, leaving vehicle unattended in roadway
24	0.2	3	0.2		21. Overloading or improper loading of vehicle with passengers or cargo
3	0.0	0	0.0		22. Towing or pushing vehicle improperly
5	0.0	2	0.1		23. Failing to dim or to have lights on when required
34	0.3	7	0.4		24. Operating without required equipment
0	0.0	0	0.0		25. Creating unlawful noise or using equipment prohibited by law
59	0.5	9	0.5		26. Following improperly
17	0.1	1	0.1		27. Improper or erratic lane changing
462	3.5	80	4.4		28. Failure to keep in proper lane or running off road
3	0.0	0	0.0		29. Illegal driving on road shoulder, in ditch, on sidewalk or on median
7	0.1	1	0.1		30. Making improper entry to or exit from trafficway
15	0.1	6	0.3		31. Starting or backing improperly
0	0.0	0	0.0		32. Opening vehicle closure into moving traffic or while vehicle is in motion
5	0.0	1	0.1		33. Passing where prohibited by signs, markings, hill or curve, or school bus displaying warning not to pass
2	0.0	0	0.0		34. Passing on wrong side
15	0.1	3	0.2		35. Passing with insufficient distance or inadequate visibility, or failing to yield to overtaking vehicle
120	0.9	12	0.7		36. Operating the vehicle in an erratic, reckless, careless or negligent manner
0	0.0	0	0.0		37. High speed chase - police in pursuit
124	1.0	15	0.8		38. Failure to yield right-of-way
196	1.5	27	1.5		39. Failure to obey traffic signs, control devices or traffic officers, or failure to observe safety zone
0	0.0	0	0.0		40. Passing through or around barrier
12	0.1	4	0.2		41. Failure to observe warnings or instructions on vehicles displaying them

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS DRIVER VARIABLES

ALL	Prcnt	FLNR	Prcnt	Var 228	DRIVER RELATED FACTORS-2
1	0.0	0	0.0	42.	Failure to signal intentions
0	0.0	0	0.0	43.	Giving wrong signal
351	2.7	66	3.7	44.	Driving too fast for conditions or in excess of posted maximum
12	0.1	1	0.1	45.	Driving less than posted minimum
0	0.0	0	0.0	46.	Operating at erratic or suddenly changing speeds
5	0.0	0	0.0	47.	Making right turn from left turn lane, making left turn from right turn lane
50	0.4	12	0.7	48.	Making other improper turn
0	0.0	0	0.0	49.	Failure to comply with physical restrictions of license
5	0.0	0	0.0	50.	Driving wrong way on one-way trafficway
30	0.2	2	0.1	51.	Driving on wrong side of road
9	0.1	0	0.0	52.	Operator inexperience
7	0.1	1	0.1	53.	Unfamiliar with roadway
30	0.2	4	0.2	54.	Stopping in roadway (vehicle not abandoned)
0	0.0	0	0.0	55.	Underriding a parked truck
0	0.0	0	0.0	56.	Low tire pressure
4	0.0	0	0.0	57.	Locked wheel
25	0.2	4	0.2	58.	Over correcting
0	0.0	0	0.0	59.	Getting off/out of or on/in to moving vehicle
0	0.0	0	0.0	60.	Getting off/out of or on/in to nonmoving vehicle
Vision obscured by:					
46	0.4	5	0.3	61.	Rain, snow, fog, smoke, sand, dust
7	0.1	0	0.0	62.	Reflected glare, bright sunlight, headlights
9	0.1	2	0.1	63.	Curve, hill, or other design features (including traffic signs, embankment)
1	0.0	0	0.0	64.	Building, billboard, etc.
11	0.1	0	0.0	65.	Trees, crops, vegetation
3	0.0	1	0.1	66.	Moving vehicle (including load)
2	0.0	0	0.0	67.	Parked vehicle
2	0.0	0	0.0	68.	Splash or spray of passing vehicle
1	0.0	0	0.0	69.	Inadequate defrost or defog system
0	0.0	0	0.0	70.	Inadequate lighting system
9	0.1	2	0.1	71.	Obstructing angles on vehicle
0	0.0	0	0.0	72.	Mirrors - rear view
3	0.0	0	0.0	73.	Mirrors - other
0	0.0	0	0.0	74.	Head restraints
0	0.0	0	0.0	75.	Broken or improperly cleaned windshield
4	0.0	3	0.2	76.	Other obstruction

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS DRIVER VARIABLES

ALL Prcnt	FLNR Prcnt	Var 228	DRIVER RELATED FACTORS-2	
Avoiding, swerving or sliding due to:				
5	0.0	0	0.0	77. Severe crosswind
0	0.0	0	0.0	78. Wind from passing truck
24	0.2	6	0.3	79. Slippery or loose surface
8	0.1	2	0.1	80. Tire blow-out or flat
1	0.0	0	0.0	81. Debris or objects in road
0	0.0	0	0.0	82. Ruts, holes, bumps in road
4	0.0	1	0.1	83. Animals in road
45	0.3	6	0.3	84. Vehicle in road
5	0.0	2	0.1	85. Phantom vehicle
4	0.0	2	0.1	86. Pedestrian, pedalcyclist, or other nonmotorist in road
50	0.4	9	0.5	87. Water, snow, oilslick on road
Other miscellaneous factors				
20	0.2	2	0.1	90. Hit-and-run vehicle driver
169	1.3	31	1.7	91. Nontraffic violation charged - manslaughter or other homicide (offense committed without malice)
67	0.5	6	0.3	92. Other nonmoving traffic violations
Possible Distractions (inside vehicle)				
0	0.0	0	0.0	93. Cellular phone
0	0.0	0	0.0	94. Fax machine
0	0.0	0	0.0	95. Computer
0	0.0	0	0.0	96. On-board Navigation system
1	0.0	0	0.0	97. Two-way radio
0	0.0	0	0.0	98. Head-up display
111	0.9	19	1.1	99. Unknown

Variable 229 DRIVER RELATED FACTORS-3 MD1: None Field Width: 2
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	3RD RESPONSE
12179	93.5	1641 91.1 00. None
Physical/Mental Condition		
19	0.1	5 0.3 01. Drowsy, sleepy, asleep, fatigued
2	0.0	0 0.0 02. Ill, blackout
0	0.0	0 0.0 03. Emotional (e.g., depression, angry, disturbed)
1	0.0	0 0.0 04. Drugs - medication
12	0.1	5 0.3 05. Other drugs

ALL Prcnt	FLNR Prcnt	Var 229	DRIVER RELATED FACTORS-3	
41	0.3	8	0.4	06. Inattentive (talking, eating, etc.)
0	0.0	0	0.0	07. Restricted to wheelchair
0	0.0	0	0.0	08. Paraplegic
0	0.0	0	0.0	09. Impaired due to previous injury
0	0.0	0	0.0	10. Deaf
0	0.0	0	0.0	11. Other physical impairment
0	0.0	0	0.0	12. Mother of dead fetus
Miscellaneous Causes				
0	0.0	0	0.0	19. Legally driving on suspended or revoked license
0	0.0	0	0.0	20. Leaving vehicle unattended with engine running, leaving vehicle unattended in roadway
5	0.0	0	0.0	21. Overloading or improper loading of vehicle with passengers or cargo
1	0.0	0	0.0	22. Towing or pushing vehicle improperly
2	0.0	0	0.0	23. Failing to dim or to have lights on when required
13	0.1	1	0.1	24. Operating without required equipment
0	0.0	0	0.0	25. Creating unlawful noise or using equipment prohibited by law
10	0.1	2	0.1	26. Following improperly
1	0.0	0	0.0	27. Improper or erratic lane changing
81	0.6	17	0.9	28. Failure to keep in proper lane or running off road
2	0.0	1	0.1	29. Illegal driving on road shoulder, in ditch, on sidewalk or on median
2	0.0	0	0.0	30. Making improper entry to or exit from trafficway
5	0.0	1	0.1	31. Starting or backing improperly
0	0.0	0	0.0	32. Opening vehicle closure into moving traffic or while vehicle is in motion
2	0.0	0	0.0	33. Passing where prohibited by signs, markings, hill or curve, or school bus displaying warning not to pass
1	0.0	0	0.0	34. Passing on wrong side
9	0.1	0	0.0	35. Passing with insufficient distance or inadequate visibility, or failing to yield to overtaking vehicle
28	0.2	3	0.2	36. Operating the vehicle in an erratic, reckless, careless or negligent manner
0	0.0	0	0.0	37. High speed chase - police in pursuit
10	0.1	1	0.1	38. Failure to yield right-of-way

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS DRIVER VARIABLES

ALL Prcnt	FLNR Prcnt	Var	229	DRIVER RELATED FACTORS-3
33	0.3	2	0.1	39. Failure to obey traffic signs, control devices or traffic officers, or failure to observe safety zone
0	0.0	0	0.0	40. Passing through or around barrier
11	0.1	0	0.0	41. Failure to observe warnings or instructions on vehicles displaying them
1	0.0	0	0.0	42. Failure to signal intentions
0	0.0	0	0.0	43. Giving wrong signal
95	0.7	20	1.1	44. Driving too fast for conditions or in excess of posted maximum
2	0.0	0	0.0	45. Driving less than posted minimum
0	0.0	0	0.0	46. Operating at erratic or suddenly changing speeds
0	0.0	0	0.0	47. Making right turn from left turn lane, making left turn from right turn lane
20	0.2	4	0.2	48. Making other improper turn
0	0.0	0	0.0	49. Failure to comply with physical restrictions of license
1	0.0	0	0.0	50. Driving wrong way on one-way trafficway
9	0.1	2	0.1	51. Driving on wrong side of road
7	0.1	3	0.2	52. Operator inexperience
7	0.1	4	0.2	53. Unfamiliar with roadway
7	0.1	4	0.2	54. Stopping in roadway (vehicle not abandoned)
0	0.0	0	0.0	55. Underriding a parked truck
0	0.0	0	0.0	56. Low tire pressure
5	0.0	0	0.0	57. Locked wheel
30	0.2	4	0.2	58. Over correcting
0	0.0	0	0.0	59. Getting off/out of or on/in to moving vehicle
1	0.0	1	0.1	60. Getting off/out of or on/in to nonmoving vehicle
Vision obscured by:				
13	0.1	6	0.3	61. Rain, snow, fog, smoke, sand, dust
0	0.0	0	0.0	62. Reflected glare, bright sunlight, headlights
4	0.0	0	0.0	63. Curve, hill, or other design features (including traffic signs, embankment)
0	0.0	0	0.0	64. Building, billboard, etc.
3	0.0	0	0.0	65. Trees, crops, vegetation
2	0.0	0	0.0	66. Moving vehicle (including load)
0	0.0	0	0.0	67. Parked vehicle
0	0.0	0	0.0	68. Splash or spray of passing vehicle
1	0.0	0	0.0	69. Inadequate defrost or defog system

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS DRIVER VARIABLES

ALL Prcnt	FLNR Prcnt	Var	229	DRIVER RELATED FACTORS-3
0	0.0	0	0.0	70. Inadequate lighting system
3	0.0	2	0.1	71. Obstructing angles on vehicle
0	0.0	0	0.0	72. Mirrors - rear view
0	0.0	0	0.0	73. Mirrors - other
0	0.0	0	0.0	74. Head restraints
0	0.0	0	0.0	75. Broken or improperly cleaned windshield
3	0.0	1	0.1	76. Other obstruction
Avoiding, swerving or sliding due to:				
3	0.0	2	0.1	77. Severe crosswind
0	0.0	0	0.0	78. Wind from passing truck
9	0.1	3	0.2	79. Slippery or loose surface
1	0.0	0	0.0	80. Tire blow-out or flat
0	0.0	0	0.0	81. Debris or objects in road
0	0.0	0	0.0	82. Ruts, holes, bumps in road
2	0.0	1	0.1	83. Animals in road
14	0.1	1	0.1	84. Vehicle in road
3	0.0	1	0.1	85. Phantom vehicle
0	0.0	0	0.0	86. Pedestrian, pedalcyclist, or other nonmotorist in road
29	0.2	5	0.3	87. Water, snow, oilslick on road
Other miscellaneous factors				
10	0.1	0	0.0	90. Hit-and-run vehicle driver
103	0.8	25	1.4	91. Nontraffic violation charged - manslaughter or other homicide (offense committed without malice)
61	0.5	6	0.3	92. Other nonmoving traffic violations
Possible Distractions (inside vehicle)				
0	0.0	0	0.0	93. Cellular phone
0	0.0	0	0.0	94. Fax machine
0	0.0	0	0.0	95. Computer
0	0.0	0	0.0	96. On-board Navigation system
0	0.0	0	0.0	97. Two-way radio
0	0.0	0	0.0	98. Head-up display
111	0.9	19	1.1	99. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS DRIVER VARIABLES

The OCCUPANT Variables

Variables 306 through 336 describe the occupant of the truck (i.e., the driver) and are obtained from the FARS occupant file.

Variable	306	OCCUPANT NUMBER		MD1:	None	Field Width:	2
				MD2:	None	Type:	Numeric
		ALL Prcnt	FLNR Prcnt	OCCUPANT NUMBER			
	170	1.3	18 1.0	00. None			
	12859	98.7	1783 99.0	01. Occupant #1			
	1	0.0	0 0.0	02. Occupant #2			

Variable	308	OCCUPANT AGE		MD1:	99	Field Width:	2
				MD2:	None	Type:	Numeric
		ALL Prcnt	FLNR Prcnt	OCCUPANT AGE			
	0	0.0	0 0.0	01.			
				- . Age in years			
	0	0.0	0 0.0	96.			
	0	0.0	0 0.0	97. 97 years or older			
	256	2.0	20 1.1	99. Unknown			

Variable	309	OCCUPANT SEX		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric
		ALL Prcnt	FLNR Prcnt	OCCUPANT SEX			
	12578	96.5	1741 96.7	1. Male			
	217	1.7	40 2.2	2. Female			
	235	1.8	20 1.1	9. Unknown			

Variable	310	OCCUPANT TYPE		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric
		ALL Prcnt	FLNR Prcnt	OCCUPANT TYPE			
	12860	98.7	1783 99.0	1. Driver of a motor-vehicle in transport			
	170	1.3	18 1.0	9. Unknown occupant type in a motor-vehicle in transport			

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS OCCUPANT VARIABLES

Variable	311	OCC SEATING POSITION		MD1:	99	Field Width:	2
				MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	OCC SEATING POSITION		
12857	98.7	1783	99.0	11. Front seat - left side (driver's side)
173	1.3	18	1.0	99. Unknown

Variable	312	RESTRAINT SYSTEM USE		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	RESTRAINT SYSTEM USE		
3799	29.2	432	24.0	0. None used (vehicle occupant) or not applicable (nonmotorist)
12	0.1	4	0.2	1. Shoulder belt
2915	22.4	430	23.9	2. Lap belt
2908	22.3	480	26.7	3. Lap and shoulder belt
1399	10.7	195	10.8	8. Restraint used - type unknown or other
1997	15.3	260	14.4	9. Unknown

Variable	313	AIR BAG AVAIL/FUNCTION		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	AIR BAG AVAILABILITY - FUNCTION		
0	0.0	0	0.0	0. Nonmotorist
0	0.0	0	0.0	3. Deployed
6	0.0	2	0.1	4. Nondeployed
13024	100.0	1799	99.9	9. Unknown or not applicable

Variable	314	OCCUPANT EJECTION		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric

ALL Prcnt	FLNR Prcnt	OCCUPANT EJECTION		
12222	93.8	1697	94.2	0. Not ejected - not applicable
475	3.6	58	3.2	1. Totally ejected
140	1.1	24	1.3	2. Partially ejected
193	1.5	22	1.2	9. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS OCCUPANT VARIABLES

Variable	315	EJECTION PATH		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric
	ALL Prcnt	FLNR Prcnt	EJECTION PATH				
12222	93.8	1697	94.2	0. Not Ejected: N/A			
48	0.4	6	0.3	1. Side Door Opening			
22	0.2	5	0.3	2. Side Window			
44	0.3	2	0.1	3. Windshield			
9	0.1	1	0.1	4. Back Window			
0	0.0	0	0.0	5. Back Door/Tailgate Opening			
0	0.0	0	0.0	6. Roof Opening (sunroof, convertible top down)			
1	0.0	0	0.0	7. Roof (convertible top up)			
5	0.0	1	0.1	8. Other Path (e.g., back of pick-up truck)			
679	5.2	89	4.9	9. Unknown/Unknown Path			

Variable	316	OCCUPANT EXTRICATION		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric
	ALL Prcnt	FLNR Prcnt	OCCUPANT EXTRICATION				
12343	94.7	1699	94.3	0. Not extricated - not applicable			
412	3.2	68	3.8	1. Extricated			
275	2.1	34	1.9	9. Unknown			

Variable	318	OCC ALCOHOL INVOLVEMENT		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric
	ALL Prcnt	FLNR Prcnt	OCC ALCOHOL INVOLVEMENT				
9142	70.2	1267	70.3	0. No (alcohol not involved)			
322	2.5	39	2.2	1. Yes (alcohol involved)			
2530	19.4	340	18.9	8. Not reported			
1036	8.0	155	8.6	9. Unknown (Police Reported)			

Variable	319	OCC METH ALC DETERMINAT		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric
	ALL Prcnt	FLNR Prcnt	METHOD OF ALCOHOL DETERMINATION (POLICE)				
1274	9.8	164	9.1	1. Evidential test (breath, blood, urine)			
176	1.4	24	1.3	2. Preliminary Breath Test (P8T)			
57	0.4	9	0.5	3. Behavioral			
5	0.0	0	0.0	4. Passive Alcohol Sensor (PAS)			

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS OCCUPANT VARIABLES

ALL Prcnt	FLNR Prcnt	Var 319	OCC METH ALC DETERMINAT
924 7.1	121 6.7	5. Observed	
42 0.3	2 0.1	8. Other (e.g., Saliva test)	
10552 81.0	1481 82.2	9. Not reported	

Variable 320 OCC ALCOHOL TEST RESULT MD1: 99 Field Width: 2
MD2: None Type: Numeric
Implied Dec Places: 2

ALL Prcnt	FLNR Prcnt	OCC ALCOHOL TEST RESULT
3401 26.1	510 28.3	00.
2 0.0	0 0.0	- . Result value (grams/100 ml) %
2 0.0	1 0.1	37.
8135 62.4	1112 61.7	95. Test refused
427 3.3	65 3.6	96. None given
806 6.2	80 4.4	97. AC test performed, results unknown
		99. Unknown

Variable 321 DRUG INVOLVEMENT MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	POLICE REPORTED OTHER DRUG INVOLEMENT
3201 24.6	394 21.9	0. No (other drugs not involved)
47 0.4	8 0.4	1. Yes (other drugs involved)
9248 71.0	1326 73.6	8. Not Reported
534 4.1	73 4.1	9. Unknown (Police reported as unknown)

Variable 322 DRUG DETERMINATION MD1: None Field Width: 1
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	METHOD OTH. DRUG DETERMINATION (POLICE)
224 1.7	33 1.8	1. Evidential Test (Blood, Urine)
9 0.1	2 0.1	2. Drug Recongnition Technician (DRT) determined
56 0.4	4 0.2	3. Behavioral
33 0.3	6 0.3	7. Other
12708 97.5	1756 97.5	8. Not Reported

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS OCCUPANT VARIABLES

Variable 325 OCCUPANT INJURY SEVERITY MD1: 9 Field Width: 1
 MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		OCCUPANT INJURY SEVERITY
7505	57.6	1055	58.6	0. 0 - no injury
1551	11.9	205	11.4	1. C - possible injury
1380	10.6	141	7.8	2. B - nonincapacitating evident injury
742	5.7	103	5.7	3. A - incapacitating injury
1609	12.3	264	14.7	4. K - fatal injury
26	0.2	6	0.3	5. Injured, severity unknown
3	0.0	0	0.0	6. Died prior to accident
214	1.6	27	1.5	9. Unknown

Variable 326 OCC TAKEN TO HOSPITAL MD1: 9 Field Width: 1
 MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		TAKEN TO HOSPITAL OR TREATMENT FACILITY
9275	71.2	1317	73.1	0. No
3195	24.5	421	23.4	1. Yes
560	4.3	63	3.5	9. Unknown

Variable 327 OCC DEATH DATE - MONTH MD1: 99 Field Width: 2
 MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		OCC DEATH DATE - MONTH
11248	86.3	1519	84.3	00. Not applicable
103	0.8	14	0.8	01. January
94	0.7	17	0.9	02. February
101	0.8	22	1.2	03. March
111	0.9	14	0.8	04. April
126	1.0	24	1.3	05. May
142	1.1	27	1.5	06. June
173	1.3	25	1.4	07. July
176	1.4	27	1.5	08. August
148	1.1	21	1.2	09. September
188	1.4	32	1.8	10. October
131	1.0	21	1.2	11. November
95	0.7	17	0.9	12. December
194	1.5	21	1.2	99. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS OCCUPANT VARIABLES

Variable	328	OCC DEATH DATE - DAY		MD1:	99	Field Width:	2
				MD2:	None	Type:	Numeric

ALL Prcnt		FLNR Prcnt		OCC DEATH DATE - DAY			
11248	86.3	1519	84.3	00.	Not applicable		
52	0.4	5	0.3	01.			
				-	Day of month		
24	0.2	9	0.5	31.			
194	1.5	21	1.2	99.	Unknown		

Variable	329	OCC DEATH DATE - YEAR		MD1:	99	Field Width:	2
				MD2:	None	Type:	Numeric

ALL Prcnt		FLNR Prcnt		OCC DEATH DATE - YEAR			
11248	86.3	1519	84.3	00.	Not applicable		
539	4.1	100	5.6	91.	1991		
520	4.0	78	4.3	92.	1992		
538	4.1	85	4.7	93.	1993		
185	1.4	19	1.1	99.	Unknown		

Variable	330	OCC DEATH TIME - HOURS		MD1:	99	Field Width:	2
				MD2:	None	Type:	Numeric

ALL Prcnt		FLNR Prcnt		OCC DEATH TIME - HOURS			
11275	86.5	1521	84.5	00.	12:01 am - 12:59 am		
39	0.3	5	0.3	01.	1:00 am - 1:59 am		
57	0.4	12	0.7	02.	2:00 am - 2:59 am		
48	0.4	12	0.7	03.	3:00 am - 3:59 am		
65	0.5	11	0.6	04.	4:00 am - 4:59 am		
63	0.5	8	0.4	05.	5:00 am - 5:59 am		
98	0.8	16	0.9	06.	6:00 am - 6:59 am		
85	0.7	8	0.4	07.	7:00 am - 7:59 am		
68	0.5	10	0.6	08.	8:00 am - 8:59 am		
83	0.6	15	0.8	09.	9:00 am - 9:59 am		
90	0.7	9	0.5	10.	10:00 am - 10:59 am		
78	0.6	17	0.9	11.	11:00 am - 11:59 am		
81	0.6	3	0.2	12.	12:00 pm - 12:59 pm		
85	0.7	10	0.6	13.	1:00 pm - 1:59 pm		
92	0.7	21	1.2	14.	2:00 pm - 2:59 pm		
70	0.5	10	0.6	15.	3:00 pm - 3:59 pm		
60	0.5	5	0.3	16.	4:00 pm - 4:59 pm		
62	0.5	9	0.5	17.	5:00 pm - 5:59 pm		
47	0.4	10	0.6	18.	6:00 pm - 6:59 pm		
53	0.4	14	0.8	19.	7:00 pm - 7:59 pm		
37	0.3	9	0.5	20.	8:00 pm - 8:59 pm		
21	0.2	3	0.2	21.	9:00 pm - 9:59 pm		

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 FARS OCCUPANT VARIABLES

ALL Prcnt	FLNR Prcnt	Var	330	OCC DEATH TIME - HOURS
39	0.3	10	0.6	22. 10:00 pm - 10:59 pm
37	0.3	8	0.4	23. 11:00 pm - 11:59 pm
2	0.0	2	0.1	24. 12:00 midnight
295	2.3	43	2.4	99. Unknown

Variable 331 OCC DEATH TIME - MINUTES MD1: 99 Field Width: 2
 MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	OCC DEATH TIME - MINUTES
11444	87.8	1557 86.5 00. - . Minute
9	0.1	1 0.1 59.
295	2.3	43 2.4 99. Unknown

Variable 332 LAG TIME ACC/DEATH - HRS MD1: 999 Field Width: 3
 MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	LAG TIME ACC/DEATH - HRS
1056	8.1	178 9.9 000. - . Actual time in hours
1	0.0	0 0.0 676.
11550	88.6	1564 86.8 999. Unknown

Variable 336 OCC FATAL INJURY AT WORK MD1: 9 Field Width: 1
 MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	OCC FATAL INJURY AT WORK
185	1.4	14 0.8 0. No
1121	8.6	195 10.8 1. Yes
11190	85.9	1509 83.8 8. Not Applicable (not a fatality)
534	4.1	83 4.6 9. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
FARS OCCUPANT VARIABLES

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
SURVEY VARIABLES

ALL Prcnt	FLNR Prcnt	Var 1002	POWER UNIT YEAR	
1	0.0	0	0.0	60. 1960
7	0.1	0	0.0	61. 1961
10	0.1	0	0.0	62. 1962
9	0.1	0	0.0	63. 1963
8	0.1	0	0.0	64. 1964
15	0.1	0	0.0	65. 1965
17	0.1	2	0.1	66. 1966
21	0.2	0	0.0	67. 1967
32	0.2	2	0.1	68. 1968
52	0.4	5	0.3	69. 1969
57	0.4	2	0.1	70. 1970
65	0.5	6	0.3	71. 1971
132	1.0	11	0.6	72. 1972
178	1.4	13	0.7	73. 1973
154	1.2	8	0.4	74. 1974
147	1.1	11	0.6	75. 1975
170	1.3	10	0.6	76. 1976
280	2.1	23	1.3	77. 1977
347	2.7	30	1.7	78. 1978
502	3.9	44	2.4	79. 1979
393	3.0	47	2.6	80. 1980
393	3.0	32	1.8	81. 1981
367	2.8	34	1.9	82. 1982
364	2.8	52	2.9	83. 1983
778	6.0	138	7.7	84. 1984
954	7.3	168	9.3	85. 1985
854	6.6	136	7.6	86. 1986
952	7.3	137	7.6	87. 1987
1119	8.6	151	8.4	88. 1988
1305	10.0	245	13.6	89. 1989
1149	8.8	165	9.2	90. 1990
876	6.7	130	7.2	91. 1991
554	4.3	103	5.7	92. 1992
389	3.0	83	4.6	93. 1993
60	0.5	12	0.7	94. 1994
300	2.3	0	0.0	99. Unknown

Variable 1003 CAB STYLE MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	CAB STYLE
9106	69.9	930 51.6
3639	27.9	871 48.4
285	2.2	0 0.0

1. Conventional
2. Cabover or cab-forward
9. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
SURVEY VARIABLES

Variable 1004 SLEEPER MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		SLEEPER
5233	40.2	1293	71.8	1. Yes
6914	53.1	390	21.7	2. No
883	6.8	118	6.6	9. Unknown

Variable 1005 FUEL TYPE MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		FUEL TYPE
984	7.6	1	0.1	1. Gasoline
11695	89.8	1800	99.9	2. Diesel
49	0.4	0	0.0	4. Other
302	2.3	0	0.0	9. Unknown

Variable 1006 TRUCK MODEL MD1: None Field Width: 10
MD2: None Type: Alphabetic

TRUCK MODEL NAME OR NUMBER

ALL Prcnt	FLNR Prcnt	TRUCK MODEL
		ACL64
		- Model name or number
		9500

Variable 1007 POWER UNIT TYPE MD1: 0 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		POWER UNIT TYPE
4067	31.2	72	4.0	1. Straight truck
8727	67.0	1729	96.0	8. Tractor
236	1.8	0	0.0	9. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
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Variable 1008 STRT. TRUCK BODY STYLE MD1: 9 Field Width: 2
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	STRAIGHT TRUCK BODY STYLE	
8727 67.0	1729 96.0	00.	Not applicable (tractor)
788 6.0	8 0.4	01.	Van
2 0.0	0 0.0	02.	Open top van
187 1.4	0 0.0	03.	Refrigerated van
14 0.1	3 0.2	04.	Livestock carrier
248 1.9	11 0.6	05.	Flatbed
0 0.0	0 0.0	06.	Lowboy
105 0.8	0 0.0	07.	Flatbed with equipment
230 1.8	1 0.1	08.	Flatbed with sides
52 0.4	3 0.2	09.	Pole/logging
300 2.3	12 0.7	10.	Tank: liquid/gas
5 0.0	0 0.0	11.	Tank: dry bulk
58 0.4	5 0.3	12.	Auto carrier
1104 8.5	20 1.1	13.	Dump
4 0.0	0 0.0	14.	Bottom dump/hopper bottom
351 2.7	1 0.1	15.	Garbage/refuse
605 4.6	8 0.4	16.	Other
250 1.9	0 0.0	99.	Unknown

Variable 1009 POWER UNIT OTHER MD1: None Field Width: 10
MD2: None Type: Alphabetic

SPECIFIC OTHER BODY STYLE

ALL Prcnt	FLNR Prcnt	POWER UNIT OTHER
		Armor Car .
		- . Specific body style
		Wrecker .

Variable 1010 POWER UNIT NO. OF AXLES MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	POWER UNIT NUMBER OF AXLES
3416 26.2	192 10.7	2. 2 axles
9101 69.8	1605 89.1	3. 3 axles
207 1.6	4 0.2	4. 4 axles
19 0.1	0 0.0	5. 5 axles
4 0.0	0 0.0	6. 6 axles
283 2.2	0 0.0	9. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
SURVEY VARIABLES

Variable 1011 POWER UNIT LIFT AXLES MD1: 9 Field Width: 1
MD2: None Type: Numeric

NUMBER OF POWER UNIT LIFT AXLES

ALL Prcnt		FLNR Prcnt		POWER UNIT LIFT AXLES
12341	94.7	1771	98.3	0. None
175	1.3	8	0.4	1. 1 lift axle
11	0.1	0	0.0	2. 2 lift axles
5	0.0	0	0.0	3. 3 lift axles
498	3.8	22	1.2	9. Unknown

Variable 1012 POWER UNIT LENGTH MD1: 999 Field Width: 3
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		POWER UNIT LENGTH
1	0.0	0	0.0	012. 12 feet
1	0.0	0	0.0	013. 13 feet
4	0.0	1	0.1	014. 14 feet
53	0.4	17	0.9	015. 15 feet
125	1.0	37	2.1	016. 16 feet
236	1.8	27	1.5	017. 17 feet
581	4.5	67	3.7	018. 18 feet
751	5.8	107	5.9	019. 19 feet
1724	13.2	311	17.3	020. 20 feet
980	7.5	137	7.6	021. 21 feet
1178	9.0	162	9.0	022. 22 feet
967	7.4	153	8.5	023. 23 feet
1274	9.8	173	9.6	024. 24 feet
1453	11.2	252	14.0	025. 25 feet
789	6.1	118	6.6	026. 26 feet
509	3.9	77	4.3	027. 27 feet
601	4.6	87	4.8	028. 28 feet
194	1.5	21	1.2	029. 29 feet
469	3.6	20	1.1	030. 30 feet
90	0.7	3	0.2	031. 31 feet
192	1.5	6	0.3	032. 32 feet
109	0.8	1	0.1	033. 33 feet
82	0.6	3	0.2	034. 34 feet
114	0.9	2	0.1	035. 35 feet
24	0.2	0	0.0	036. 36 feet
21	0.2	4	0.2	037. 37 feet
19	0.1	0	0.0	038. 38 feet
14	0.1	1	0.1	040. 40 feet
4	0.0	1	0.1	041. 41 feet
1	0.0	0	0.0	042. 42 feet
2	0.0	0	0.0	045. 45 feet
2	0.0	0	0.0	046. 46 feet
4	0.0	0	0.0	047. 47 feet

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
SURVEY VARIABLES

ALL Prcnt	FLNR Prcnt	Var 1012	POWER UNIT LENGTH
3 0.0	0 0.0	048.	48 feet
1 0.0	0 0.0	050.	50 feet
458 3.5	13 0.7	999.	Unknown

Variable 1013 POWER UNIT CARGO WEIGHT MD1: 999999 Field Width: 6
 MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	POWER UNIT CARGO WEIGHT
1487 11.4	33 1.8	000000. - . Weight in pounds
0 0.0	0 0.0	999995.
8681 66.6	1725 95.8	999996. Not applicable (tractors without cargo)
261 2.0	6 0.3	999997. Some cargo (weight unknown)
90 0.7	2 0.1	999998. Full (weight unknown)
333 2.6	4 0.2	999999. Unknown

Variable 1014 POWER UNIT EMPTY WEIGHT MD1: 999999 Field Width: 6
 MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	POWER UNIT EMPTY WEIGHT
0 0.0	0 0.0	000000. - . Weight in pounds
0 0.0	0 0.0	999997.
419 3.2	4 0.2	999999. Unknown

Variable 1015 POWER UNIT CARGO MD1: 99 Field Width: 2
 MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	POWER UNIT CARGO
1486 11.4	33 1.8	00. Empty
467 3.6	7 0.4	01. General freight
76 0.6	0 0.0	02. Household goods
76 0.6	0 0.0	03. Building materials
19 0.1	1 0.1	04. Metal: coils, sheets, etc
24 0.2	0 0.0	05. Heavy machinery
70 0.5	0 0.0	06. Large objects
51 0.4	4 0.2	07. Motor vehicles
83 0.6	5 0.3	08. Piggyback/towaway
42 0.3	0 0.0	09. Gases in bulk
849 6.5	10 0.6	10. Solids in bulk
210 1.6	6 0.3	11. Liquids in bulk

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 SURVEY VARIABLES

Variable 1022 1ST TRAILER LENGTH MD1: 999 Field Width: 3
 MD2: None Type: Numeric

ALL	Prcnt	FLNR	Prcnt	1ST TRAILER LENGTH
1	0.0	0	0.0	002. 2 feet
1	0.0	0	0.0	003. 3 feet
2	0.0	0	0.0	004. 4 feet
1	0.0	0	0.0	005. 5 feet
6	0.0	0	0.0	006. 6 feet
5	0.0	0	0.0	007. 7 feet
10	0.1	0	0.0	008. 8 feet
3	0.0	0	0.0	009. 9 feet
15	0.1	0	0.0	010. 10 feet
4	0.0	1	0.1	011. 11 feet
20	0.2	0	0.0	012. 12 feet
12	0.1	0	0.0	013. 13 feet
16	0.1	0	0.0	014. 14 feet
34	0.3	1	0.1	015. 15 feet
27	0.2	0	0.0	016. 16 feet
6	0.0	0	0.0	017. 17 feet
27	0.2	2	0.1	018. 18 feet
12	0.1	0	0.0	019. 19 feet
114	0.9	18	1.0	020. 20 feet
14	0.1	4	0.2	021. 21 feet
52	0.4	7	0.4	022. 22 feet
16	0.1	3	0.2	023. 23 feet
135	1.0	29	1.6	024. 24 feet
49	0.4	9	0.5	025. 25 feet
57	0.4	13	0.7	026. 26 feet
71	0.5	22	1.2	027. 27 feet
446	3.4	79	4.4	028. 28 feet
32	0.2	10	0.6	029. 29 feet
159	1.2	20	1.1	030. 30 feet
16	0.1	3	0.2	031. 31 feet
111	0.9	4	0.2	032. 32 feet
28	0.2	5	0.3	033. 33 feet
66	0.5	3	0.2	034. 34 feet
118	0.9	12	0.7	035. 35 feet
67	0.5	10	0.6	036. 36 feet
36	0.3	2	0.1	037. 37 feet
157	1.2	20	1.1	038. 38 feet
42	0.3	3	0.2	039. 39 feet
1098	8.4	196	10.9	040. 40 feet
52	0.4	8	0.4	041. 41 feet
643	4.9	121	6.7	042. 42 feet
114	0.9	19	1.1	043. 43 feet
126	1.0	33	1.8	044. 44 feet
1554	11.9	316	17.5	045. 45 feet
97	0.7	19	1.1	046. 46 feet
32	0.2	11	0.6	047. 47 feet
2436	18.7	562	31.2	048. 48 feet
19	0.1	0	0.0	049. 49 feet

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
SURVEY VARIABLES

ALL Prcnt	FLNR Prcnt	Var 1022	1ST TRAILER LENGTH	
51	0.4	7	0.4	050. 50 feet
10	0.1	0	0.0	051. 51 feet
25	0.2	2	0.1	052. 52 feet
333	2.6	98	5.4	053. 53 feet
5	0.0	1	0.1	054. 54 feet
5	0.0	1	0.1	055. 55 feet
4	0.0	0	0.0	056. 56 feet
6	0.0	1	0.1	057. 57 feet
7	0.1	2	0.1	060. 60 feet
2	0.0	0	0.0	065. 65 feet
4	0.0	1	0.1	070. 70 feet
1	0.0	0	0.0	072. 72 feet
1	0.0	0	0.0	075. 75 feet
2	0.0	0	0.0	080. 80 feet
1	0.0	0	0.0	118. 118 feet
238	1.8	0	0.0	994. Unknown if had 1st trailer
3936	30.2	96	5.3	996. Not applicable (no 1st trailer)
27	0.2	8	0.4	997. Short (estimated under 35 feet)
120	0.9	17	0.9	998. Long (estimated 35 feet and over)
93	0.7	2	0.1	999. Unknown

Variable 1023 1ST TRAILER BODY MD1: 9 Field Width: 2
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	1ST TRAILER BODY STYLE		
4174	32.0	96	5.3	00. None or unknown if had 1st trailer
3142	24.1	676	37.5	01. Van
63	0.5	10	0.6	02. Open top van
1145	8.8	244	13.5	03. Refrigerated van
135	1.0	31	1.7	04. Livestock carrier
1484	11.4	326	18.1	05. Flatbed
180	1.4	29	1.6	06. Lowboy
24	0.2	4	0.2	07. Flatbed with equipment
165	1.3	40	2.2	08. Flatbed with sides
321	2.5	27	1.5	09. Pole/logging
743	5.7	140	7.8	10. Tank: liquid/gas
119	0.9	10	0.6	11. Tank: dry bulk
69	0.5	7	0.4	12. Auto carrier
673	5.2	66	3.7	13. Dump
231	1.8	47	2.6	14. Bottom dump/hopper bottom
15	0.1	8	0.4	15. Garbage/refuse
311	2.4	38	2.1	16. Other
36	0.3	2	0.1	99. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
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Variable 1024 1ST TRAILER OTHER BODY MD1: None Field Width: 10
MD2: None Type: Alphabetic

SPECIFIC OTHER BODY STYLE

ALL Prcnt FLNR Prcnt 1ST TRAILER OTHER BODY

Arrow sign.
. - Specific body style
Van in tow.

Variable 1025 1ST TRAILER CARGO MD1: 99 Field Width: 2
MD2: None Type: Numeric

ALL Prcnt FLNR Prcnt 1ST TRAILER CARGO TYPE

2393	18.4	400	22.2	00. Empty
2302	17.7	510	28.3	01. General freight
69	0.5	14	0.8	02. Household goods
173	1.3	44	2.4	03. Building materials
411	3.2	99	5.5	04. Metal: coils, sheets, etc
217	1.7	27	1.5	05. Heavy machinery
192	1.5	52	2.9	06. Large objects
81	0.6	8	0.4	07. Motor vehicles
0	0.0	0	0.0	08. Piggyback/towaway
28	0.2	6	0.3	09. Gases in bulk
835	6.4	131	7.3	10. Solids in bulk
444	3.4	84	4.7	11. Liquids in bulk
5	0.0	2	0.1	12. Explosives
442	3.4	80	4.4	13. Logs/poles/lumber
746	5.7	154	8.6	14. Refrigerated food
23	0.2	3	0.2	15. Mobile home
221	1.7	51	2.8	16. Farm products
97	0.7	23	1.3	17. Live animals
34	0.3	2	0.1	18. Other
238	1.8	0	0.0	96. Unknown if had 1st trailer
3936	30.2	96	5.3	98. Not applicable (no 1st trailer)
143	1.1	15	0.8	99. Unknown

Variable 1026 1ST TRAILER HAZ. CARGO MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt FLNR Prcnt 1ST TRAILER HAZARDOUS CARGO

373	2.9	84	4.7	1. Hazardous cargo
8419	64.6	1616	89.7	2. Nonhazardous cargo
238	1.8	0	0.0	6. Unknown if had 1st trailer
3936	30.2	96	5.3	8. Not applicable (no 1st trailer)
64	0.5	5	0.3	9. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
SURVEY VARIABLES

ALL Prcnt		FLNR Prcnt		Var 1030	2ND TRAILER EMPTY WEIGHT
239	1.8	0	0.0	999996.	Unknown if had 2nd trailer
12251	94.0	1651	91.7	999998.	Not applicable (no 2nd trailer)
14	0.1	6	0.3	999999.	Unknown

Variable 1031 2ND TRAILER CARGO WEIGHT MD1: 999999 Field Width: 6
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		2ND TRAILER CARGO WEIGHT	
137	1.1	42	2.3	000000.	
				-	. Weight in pounds
0	0.0	0	0.0	999993.	
239	1.8	0	0.0	999994.	Unknown if had 2nd trailer
12251	94.0	1651	91.7	999996.	Not applicable (no 2nd trailer)
61	0.5	18	1.0	999997.	Some cargo (weight unknown)
25	0.2	5	0.3	999998.	Full (weight unknown)
5	0.0	3	0.2	999999.	Unknown

Variable 1032 2ND TRAILER LENGTH MD1: 999 Field Width: 3
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		2ND TRAILER LENGTH	
2	0.0	0	0.0	005.	5 feet
2	0.0	0	0.0	006.	6 feet
1	0.0	0	0.0	008.	8 feet
2	0.0	0	0.0	010.	10 feet
3	0.0	0	0.0	012.	12 feet
2	0.0	0	0.0	014.	14 feet
1	0.0	0	0.0	016.	16 feet
3	0.0	0	0.0	017.	17 feet
5	0.0	0	0.0	018.	18 feet
3	0.0	0	0.0	019.	19 feet
39	0.3	11	0.6	020.	20 feet
9	0.1	4	0.2	021.	21 feet
14	0.1	5	0.3	022.	22 feet
2	0.0	1	0.1	023.	23 feet
62	0.5	24	1.3	024.	24 feet
12	0.1	3	0.2	025.	25 feet
16	0.1	8	0.4	026.	26 feet
30	0.2	14	0.8	027.	27 feet
273	2.1	58	3.2	028.	28 feet
10	0.1	4	0.2	029.	29 feet
16	0.1	5	0.3	030.	30 feet
6	0.0	1	0.1	032.	32 feet
1	0.0	1	0.1	033.	33 feet
1	0.0	1	0.1	035.	35 feet

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
SURVEY VARIABLES

Variable 1035 2ND TRAILER CARGO MD1: 99 Field Width: 2
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		2ND TRAILER CARGO TYPE
137	1.1	42	2.3	00. Empty
243	1.9	53	2.9	01. General freight
0	0.0	0	0.0	02. Household goods
4	0.0	2	0.1	03. Building materials
9	0.1	5	0.3	04. Metal: coils, sheets, etc
6	0.0	1	0.1	05. Heavy machinery
26	0.2	14	0.8	06. Large objects
0	0.0	0	0.0	07. Motor vehicles
0	0.0	0	0.0	08. Piggyback/towaway
1	0.0	0	0.0	09. Gases in bulk
49	0.4	7	0.4	10. Solids in bulk
13	0.1	5	0.3	11. Liquids in bulk
0	0.0	0	0.0	12. Explosives
6	0.0	0	0.0	13. Logs/poles/lumber
6	0.0	2	0.1	14. Refrigerated food
0	0.0	0	0.0	15. Mobile home
30	0.2	13	0.7	16. Farm products
3	0.0	1	0.1	17. Live animals
1	0.0	1	0.1	18. Other
239	1.8	0	0.0	96. Unknown if had 2nd trailer
12251	94.0	1651	91.7	98. Not applicable (no 2nd trailer)
6	0.0	4	0.2	99. Unknown

Variable 1036 2ND TRAILER HAZ. CARGO MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		2ND TRAILER HAZARDOUS CARGO
26	0.2	10	0.6	1. Hazardous cargo
513	3.9	140	7.8	2. Nonhazardous cargo
239	1.8	0	0.0	6. Unknown if had 2nd trailer
12251	94.0	1651	91.7	8. Not applicable (no 2nd trailer)
1	0.0	0	0.0	9. Unknown

Variable 1037 3RD TRAILER TYPE MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		3RD TRAILER TYPE
4	0.0	2	0.1	1. Semitrailer
0	0.0	0	0.0	2. Full trailer
2	0.0	0	0.0	3. Other
12785	98.1	1799	99.9	4. None
239	1.8	0	0.0	9. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
SURVEY VARIABLES

Variable 1038 3RD TRAILER NO. OF AXLES MD1: 99 Field Width: 2
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		3RD TRAILER NUMBER OF AXLES
6	0.0	2	0.1	02. 2 axles
239	1.8	0	0.0	97. Unknown if had 3rd trailer
12785	98.1	1799	99.9	98. Not applicable (no 3rd trailer)
0	0.0	0	0.0	99. Unknown

Variable 1039 3RD TRAILER LIFT AXLES MD1: 9 Field Width: 1
MD2: None Type: Numeric

NUMBER OF 3RD TRAILER LIFT AXLES

ALL Prcnt		FLNR Prcnt		3RD TRAILER LIFT AXLES
6	0.0	2	0.1	0. None
239	1.8	0	0.0	7. Unknown if had 3rd trailer
12785	98.1	1799	99.9	8. Not applicable (no 3rd trailer)
0	0.0	0	0.0	9. Unknown

Variable 1040 3RD TRAILER EMPTY WEIGHT MD1: 999999 Field Width: 6
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		3RD TRAILER EMPTY WEIGHT
0	0.0	0	0.0	000000.
0	0.0	0	0.0	- . Weight in pounds
239	1.8	0	0.0	999995.
12785	98.1	1799	99.9	999996. Unknown if had 3rd trailer
1	0.0	0	0.0	999998. Not applicable (no 3rd trailer)
				999999. Unknown

Variable 1041 3RD TRAILER CARGO WEIGHT MD1: 999999 Field Width: 6
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		3RD TRAILER CARGO WEIGHT
2	0.0	0	0.0	000000.
0	0.0	0	0.0	- . Weight in pounds
239	1.8	0	0.0	999993.
12785	98.1	1799	99.9	999994. Unknown if had 3rd trailer
0	0.0	0	0.0	999996. Not applicable (no 3rd trailer)
0	0.0	0	0.0	999997. Some cargo (weight unknown)
0	0.0	0	0.0	999998. Full (weight unknown)
0	0.0	0	0.0	999999. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
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Variable 1042 3RD TRAILER LENGTH MD1: 999 Field Width: 3
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	3RD TRAILER LENGTH
1 0.0	0 0.0	019. 19 feet
4 0.0	2 0.1	028. 28 feet
239 1.8	0 0.0	994. Unknown if had 3rd trailer
12785 98.1	1799 99.9	996. Not applicable (no 3rd trailer)
1 0.0	0 0.0	997. Short (estimated under 35 feet)
0 0.0	0 0.0	998. Long (estimated 35 feet and over)
0 0.0	0 0.0	999. Unknown

Variable 1043 3RD TRAILER BODY MD1: 9 Field Width: 2
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	3RD TRAILER BODY STYLE
13024 100.0	1799 99.9	00. None or unknown if had 3rd trailer
4 0.0	2 0.1	01. Van
0 0.0	0 0.0	02. Open top van
0 0.0	0 0.0	03. Refrigerated van
0 0.0	0 0.0	04. Livestock carrier
0 0.0	0 0.0	05. Flatbed
0 0.0	0 0.0	06. Lowboy
0 0.0	0 0.0	07. Flatbed with equipment
0 0.0	0 0.0	08. Flatbed with sides
0 0.0	0 0.0	09. Pole/logging
0 0.0	0 0.0	10. Tank: liquid/gas
0 0.0	0 0.0	11. Tank: dry bulk
0 0.0	0 0.0	12. Auto carrier
0 0.0	0 0.0	13. Dump
0 0.0	0 0.0	14. Bottom dump/hopper bottom
0 0.0	0 0.0	15. Garbage/refuse
2 0.0	0 0.0	16. Other
0 0.0	0 0.0	99. Unknown

Variable 1044 3RD TRAILER OTHER BODY MD1: None Field Width: 10
MD2: None Type: Alphabetic

SPECIFIC OTHER BODY STYLE

ALL Prcnt	FLNR Prcnt	3RD TRAILER OTHER BODY
		Booster .
		. - Specific body style
		Stinger .

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
SURVEY VARIABLES

Variable 1045 3RD TRAILER CARGO MD1: 99 Field Width: 2
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		3RD TRAILER CARGO TYPE
2	0.0	0	0.0	00. Empty
4	0.0	2	0.1	01. General freight
0	0.0	0	0.0	02. Household goods
0	0.0	0	0.0	03. Building materials
0	0.0	0	0.0	04. Metal: coils, sheets, etc
0	0.0	0	0.0	05. Heavy machinery
0	0.0	0	0.0	06. Large objects
0	0.0	0	0.0	07. Motor vehicles
0	0.0	0	0.0	08. Piggyback/towaway
0	0.0	0	0.0	09. Gases in bulk
0	0.0	0	0.0	10. Solids in bulk
0	0.0	0	0.0	11. Liquids in bulk
0	0.0	0	0.0	12. Explosives
0	0.0	0	0.0	13. Logs/poles/lumber
0	0.0	0	0.0	14. Refrigerated food
0	0.0	0	0.0	15. Mobile home
0	0.0	0	0.0	16. Farm products
0	0.0	0	0.0	17. Live animals
0	0.0	0	0.0	18. Other
239	1.8	0	0.0	96. Unknown if had 3rd trailer
12785	98.1	1799	99.9	98. Not applicable (no 3rd trailer)
0	0.0	0	0.0	99. Unknown

Variable 1046 3RD TRAILER HAZ. CARGO MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		3RD TRAILER HAZARDOUS CARGO
0	0.0	0	0.0	1. Hazardous cargo
6	0.0	2	0.1	2. Nonhazardous cargo
239	1.8	0	0.0	6. Unknown if had 3rd trailer
12785	98.1	1799	99.9	8. Not applicable (no 3rd trailer)
0	0.0	0	0.0	9. Unknown

Variable 1047 VEHICLE COMPONENTS MD1: None Field Width: 10
MD2: None Type: Alphabetic

VEHICLE CONFIGURATION BY UNIT

ALL Prcnt FLNR Prcnt VEHICLE COMPONENTS

Unspec/Unk .
R

. Unit descriptor codes

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
SURVEY VARIABLES

ALL Prcnt FLNR Prcnt Var 1047 VEHICLE COMPONENTS

TT

Variable 1048 VEHICLE COMBINATION CODE MD1: 0 Field Width: 2
MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	VEHICLE COMBINATION CODE
3556 27.3	33 1.8	01. Straight truck only
168 1.3	30 1.7	02. Straight truck & full trailer
291 2.2	8 0.4	03. Straight truck & other (nonfull trailer)
37 0.3	1 0.1	04. Straight truck & other trailer with gooseneck hitch
1 0.0	0 0.0	05. Straight truck & full trailer & other trailer
3 0.0	0 0.0	06. Straight truck & other trailer & other trailer
334 2.6	60 3.3	07. Bobtail tractor
42 0.3	3 0.2	08. Tractor carrying cargo
7772 59.6	1512 84.0	09. Tractor & semitrailer
32 0.2	4 0.2	10. Tractor & other (nonsemitrailer)
354 2.7	84 4.7	11. Tractor & semitrailer & A-dolly & semitrailer
10 0.1	4 0.2	12. Tractor & semitrailer & B-dolly & semitrailer
153 1.2	57 3.2	13. Tractor & semitrailer & full trailer
4 0.0	1 0.1	14. Tractor & semitrailer & other trailer
4 0.0	2 0.1	15. Tractor & 3 trailers
3 0.0	0 0.0	16. Tractor & semitrailer & A-dolly
2 0.0	0 0.0	17. Tractor & jeep & semitrailer & jeep
3 0.0	0 0.0	18. Straight truck & A-dolly & semitrailer
1 0.0	1 0.1	19. Tractor & full trailer & full trailer
3 0.0	0 0.0	20. Tractor & semitrailer & jeep
5 0.0	0 0.0	21. Straight truck towing straight truck *
2 0.0	0 0.0	22. Tractor towing tractor *
2 0.0	0 0.0	23. Tractor & A-dolly
2 0.0	0 0.0	24. Tractor towing straight truck *
1 0.0	1 0.1	25. Tractor & jeep & semitrailer
1 0.0	0 0.0	26. Tractor & semitrailer with unk. dolly & semitrailer
244 1.9	0 0.0	99. Unknown

* Towed units with all wheels on ground

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
SURVEY VARIABLES

Variable 1057 AREA OF OPERATION MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		AREA OF OPERATION
8324	63.9	1521	84.5	1. Interstate
3610	27.7	251	13.9	2. Intrastate
306	2.3	0	0.0	6. Government owned
119	0.9	3	0.2	7. Daily rental
671	5.1	26	1.4	9. Unknown

Variable 1058 OPERATING AUTHORITY MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		OPERATING AUTHORITY
5235	40.2	384	21.3	1. Private
6978	53.6	1400	77.7	2. For hire
306	2.3	0	0.0	6. Government owned
119	0.9	3	0.2	7. Daily rental
392	3.0	14	0.8	9. Unknown

Variable 1059 CARRIER TYPE MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		CARRIER TYPE
2452	18.8	262	14.5	1. Interstate private
5615	43.1	1221	67.8	2. Interstate authorized
197	1.5	33	1.8	3. Interstate exempt
2551	19.6	115	6.4	4. Intrastate private
1055	8.1	134	7.4	5. Intrastate for hire
306	2.3	0	0.0	6. Government owned
119	0.9	3	0.2	7. Daily rental
735	5.6	33	1.8	9. Unknown

Variable 1060 OWNER/OPERATOR MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		OWNER/OPERATOR
317	2.4	42	2.3	1. Yes
6655	51.1	1357	75.3	2. No
6052	46.4	401	22.3	8. Not applicable (Not for hire)
6	0.0	1	0.1	9. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
SURVEY VARIABLES

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Variable 1061 TRIP TYPE MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		TRIP TYPE
5177	39.7	337	18.7	1. Local delivery
2866	22.0	412	22.9	2. OTR (Over-The-Road), under 200 miles
3892	29.9	917	50.9	3. OTR, 200 miles and over
338	2.6	73	4.1	4. OTR, unknown distance
757	5.8	62	3.4	9. Unknown

Variable 1062 HOURS DRIVING MD1: 99 Field Width: 2
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		HOURS DRIVING
2905	22.3	336	18.7	01. 1 hour
1680	12.9	204	11.3	02. 2 hours
1262	9.7	195	10.8	03. 3 hours
1258	9.7	176	9.8	04. 4 hours
970	7.4	152	8.4	05. 5 hours
936	7.2	123	6.8	06. 6 hours
540	4.1	78	4.3	07. 7 hours
528	4.1	92	5.1	08. 8 hours
219	1.7	41	2.3	09. 9 hours
144	1.1	29	1.6	10. 10 hours
24	0.2	1	0.1	11. 11 hours
56	0.4	7	0.4	12. 12 hours
13	0.1	4	0.2	13. 13 hours
6	0.0	0	0.0	14. 14 hours
1	0.0	1	0.1	15. 15 hours
3	0.0	0	0.0	16. 16 hours
4	0.0	2	0.1	17. 17 hours
1	0.0	0	0.0	20. 20 hours
1	0.0	1	0.1	21. 21 hours
1	0.0	0	0.0	22. 22 hours
2	0.0	2	0.1	34. 34 hours
111	0.9	15	0.8	98. Not applicable
2365	18.2	342	19.0	99. Unknown

Variable 1063 INTERVIEW MD1: 9 Field Width: 1
MD2: None Type: Numeric

ALL Prcnt		FLNR Prcnt		INTERVIEW
12236	93.9	1705	94.7	1. Yes
794	6.1	96	5.3	2. No
0	0.0	0	0.0	9. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
SURVEY VARIABLES

Variable 1064	POLICE REPORT	MD1:	9	Field Width:	1
		MD2:	None	Type:	Numeric

	ALL Prcnt	FLNR Prcnt	POLICE REPORT	
	12552 96.3	1759 97.7		1. Yes
	478 3.7	42 2.3		2. No
	0 0.0	0 0.0		9. Unknown

Variable 1065	MCS 50-T	MD1:	9	Field Width:	1
		MD2:	None	Type:	Numeric

	ALL Prcnt	FLNR Prcnt	MCS 50-T	
	3738 28.7	702 39.0		1. Yes
	9292 71.3	1099 61.0		2. No
	0 0.0	0 0.0		9. Unknown

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
 SURVEY VARIABLES

ALL Prcnt	FLNR Prcnt	Var 1070	5TH QUESTION DERIVED
276 2.1	52 2.9		20. Question 20
1 0.0	0 0.0		21. Question 21
5 0.0	0 0.0		26. Question 26
22 0.2	3 0.2		27. Question 27
1 0.0	0 0.0		28. Question 28

Variable 1071 6TH QUESTION DERIVED MD1: 0 Field Width: 2
 MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	6TH QUESTION DERIVED
12968 99.5	1795 99.7	00. None
2 0.0	0 0.0	07. Question 7
7 0.1	1 0.1	08. Question 8
5 0.0	1 0.1	18. Question 18
3 0.0	0 0.0	19. Question 19
16 0.1	0 0.0	20. Question 20
3 0.0	1 0.1	21. Question 21
1 0.0	0 0.0	23. Question 23
15 0.1	1 0.1	26. Question 26
9 0.1	2 0.1	27. Question 27
1 0.0	0 0.0	28. Question 28

Variable 1072 7TH QUESTION DERIVED MD1: 0 Field Width: 2
 MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	7TH QUESTION DERIVED
13021 99.9	1801 100.0	00. None
2 0.0	0 0.0	08. Question 8
3 0.0	0 0.0	20. Question 20
4 0.0	0 0.0	26. Question 26

Variable 1073 8TH QUESTION DERIVED MD1: 0 Field Width: 2
 MD2: None Type: Numeric

ALL Prcnt	FLNR Prcnt	8TH QUESTION DERIVED
13029 100.0	1801 100.0	00. None
1 0.0	0 0.0	12. Question 12

FREIGHTLINER TRUCKS IN TIFA, 1991-1993
SURVEY VARIABLES

Variable 1074	<u>9TH QUESTION DERIVED</u>	MD1: 0	Field Width: 2
		MD2: None	Type: Numeric

ALL Prcnt	FLNR Prcnt	9TH QUESTION DERIVED
13029 100.0	1801 100.0	00. None
1 0.0	0 0.0	26. Question 26

Variable 1075	<u>10TH QUESTION DERIVED</u>	MD1: 0	Field Width: 2
		MD2: None	Type: Numeric

ALL Prcnt	FLNR Prcnt	10TH QUESTION DERIVED
13030 100.0	1801 100.0	00. None

Variable 1076	<u>SAMPLE WEIGHT</u>	MD1: 99	Field Width: 2
		MD2: None	Type: Numeric

APPENDIX

POWER UNIT

10. TYPE: Tractor [] 8
St. Trk. [] 1

FIRST TRAILER

Semi [] 1
Full [] 2
Other [] 3
None [] 4

SECOND TRAILER

Semi [] 1
Full [] 2
Other [] 3
None [] 4

THIRD TRAILER

Semi [] 1
Full [] 2
Other [] 3
None [] 4

11. NO. OF AXLES IN USE: _____
12. NO. OF LIFT AXLES: _____
(not in use)

13. COMBINATION CODE: _____
38 39 40 41 42 43 44 45 46 47

(Key: R=straight truck; T=tractor; S=semitrailer; F=full trailer;
O=other trailer; U=unknown trailer; A=A dolly; B=B train;
C=C dolly; X=unknown dolly; J=jeep)

14. GVWR _____ (editor)

15. EMPTY WEIGHT: _____
(pounds) 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72

16. What was the EMPTY COMBINATION WEIGHT? _____ Lbs.
73 74 75 76 77 78

17. CARGO WEIGHT: _____
(pounds) 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102
(% Full: _____) (% Full: _____) (% Full: _____)

18. What was the TOTAL WEIGHT of the truck and any cargo at the time of the accident? _____ Lbs.
103 104 105 106 107 108

19. LENGTH: _____
(feet) 109 110 111 112 113 114 115 116 117 118 119 120
(If a straight truck, what was the cargo body length? _____)

20. What was the TOTAL LENGTH of the truck, any trailers, and any cargo at the longest point? _____ Ft.
121 122 123

21. What was the WIDTH of the truck, trailer(s), or cargo at the widest point? _____ Inches
124 125 126

CARGO INFORMATION

POWER UNIT

22. BODY STYLE:
- | | | | |
|---------------------------|---|----|---|
| Tractor | [| 00 |] |
| Van | [| 01 |] |
| Open top van | [| 02 |] |
| Refrigerated van | [| 03 |] |
| Livestock carrier | [| 04 |] |
| Flatbed | [| 05 |] |
| Low boy | [| 06 |] |
| Flatbed w/equip. | [| 07 |] |
| Flatbed w/sides | [| 08 |] |
| Pole/logging | [| 09 |] |
| Tank - liquid/gas | [| 10 |] |
| Tank - dry bulk | [| 11 |] |
| Auto carrier | [| 12 |] |
| Dump | [| 13 |] |
| Bottom dump/hopper bottom | [| 14 |] |
| Garbage/refuse | [| 15 |] |
| Other | [| 16 |] |

127-128

Specify "other" body style:

129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144

FIRST TRAILER

- | | | | |
|---------------------------|---|----|---|
| Van | [| 01 |] |
| Open top van | [| 02 |] |
| Refrigerated van | [| 03 |] |
| Livestock carrier | [| 04 |] |
| Flatbed | [| 05 |] |
| Low boy | [| 06 |] |
| Flatbed w/equip. | [| 07 |] |
| Flatbed w/sides | [| 08 |] |
| Pole/logging | [| 09 |] |
| Tank - liquid/gas | [| 10 |] |
| Tank - dry bulk | [| 11 |] |
| Auto carrier | [| 12 |] |
| Dump | [| 13 |] |
| Bottom dump/hopper bottom | [| 14 |] |
| Garbage/refuse | [| 15 |] |
| Other | [| 16 |] |

129-130

145 146 147 148 149 150 151 152 153 154

SECOND TRAILER

- | | | | |
|---------------------------|---|----|---|
| Van | [| 01 |] |
| Open top van | [| 02 |] |
| Refrigerated van | [| 03 |] |
| Livestock carrier | [| 04 |] |
| Flatbed | [| 05 |] |
| Low boy | [| 06 |] |
| Flatbed w/equip. | [| 07 |] |
| Flatbed w/sides | [| 08 |] |
| Pole/logging | [| 09 |] |
| Tank - liquid/gas | [| 10 |] |
| Tank - dry bulk | [| 11 |] |
| Auto carrier | [| 12 |] |
| Dump | [| 13 |] |
| Bottom dump/hopper bottom | [| 14 |] |
| Garbage/refuse | [| 15 |] |
| Other | [| 16 |] |

131-132

155 156 157 158 159 160 161 162 163 164

THIRD TRAILER

- | | | | |
|---------------------------|---|----|---|
| Van | [| 01 |] |
| Open top van | [| 02 |] |
| Refrigerated van | [| 03 |] |
| Livestock carrier | [| 04 |] |
| Flatbed | [| 05 |] |
| Low boy | [| 06 |] |
| Flatbed w/equip. | [| 07 |] |
| Flatbed w/sides | [| 08 |] |
| Pole/logging | [| 09 |] |
| Tank - liquid/gas | [| 10 |] |
| Tank - dry bulk | [| 11 |] |
| Auto carrier | [| 12 |] |
| Dump | [| 13 |] |
| Bottom dump/hopper bottom | [| 14 |] |
| Garbage/refuse | [| 15 |] |
| Other | [| 16 |] |

133-134

165 166 167 168 169 170 171 172 173 174

23. CARGO:
- | | | | |
|-----------------------|---|----|---|
| Empty | [| 00 |] |
| General freight | [| 01 |] |
| Household goods | [| 02 |] |
| Building materials | [| 03 |] |
| Metal (coils, sheets) | [| 04 |] |
| Heavy machinery | [| 05 |] |
| Large objects | [| 06 |] |
| Motor vehicles | [| 07 |] |
| Piggyback/towaway | [| 08 |] |
| Gases in bulk | [| 09 |] |
| Solids in bulk | [| 10 |] |
| Liquids in bulk | [| 11 |] |
| Explosives | [| 12 |] |
| Logs, poles, lumber | [| 13 |] |
| Refrigerated foods | [| 14 |] |
| Mobile home | [| 15 |] |
| Farm products | [| 16 |] |
| Live animals | [| 17 |] |
| Other | [| 18 |] |

175-176

- | | | | |
|-----------------------|---|----|---|
| Empty | [| 00 |] |
| General freight | [| 01 |] |
| Household goods | [| 02 |] |
| Building materials | [| 03 |] |
| Metal (coils, sheets) | [| 04 |] |
| Heavy machinery | [| 05 |] |
| Large objects | [| 06 |] |
| Motor vehicles | [| 07 |] |
| Piggyback/towaway | [| 08 |] |
| Gases in bulk | [| 09 |] |
| Solids in bulk | [| 10 |] |
| Liquids in bulk | [| 11 |] |
| Explosives | [| 12 |] |
| Logs, poles, lumber | [| 13 |] |
| Refrigerated foods | [| 14 |] |
| Mobile home | [| 15 |] |
| Farm products | [| 16 |] |
| Live animals | [| 17 |] |
| Other | [| 18 |] |

179-180

- | | | | |
|-----------------------|---|----|---|
| Empty | [| 00 |] |
| General freight | [| 01 |] |
| Household goods | [| 02 |] |
| Building materials | [| 03 |] |
| Metal (coils, sheets) | [| 04 |] |
| Heavy machinery | [| 05 |] |
| Large objects | [| 06 |] |
| Motor vehicles | [| 07 |] |
| Piggyback/towaway | [| 08 |] |
| Gases in bulk | [| 09 |] |
| Solids in bulk | [| 10 |] |
| Liquids in bulk | [| 11 |] |
| Explosives | [| 12 |] |
| Logs, poles, lumber | [| 13 |] |
| Refrigerated foods | [| 14 |] |
| Mobile home | [| 15 |] |
| Farm products | [| 16 |] |
| Live animals | [| 17 |] |
| Other | [| 18 |] |

181-182

Cargo

(Specify)



	POWER UNIT	FIRST TRAILER	SECOND TRAILER	THIRD TRAILER
24. HAZARDOUS CARGO:	Yes [] 1 No [] 2	Yes [] 1 No [] 2	Yes [] 1 No [] 2	Yes [] 1 No [] 2

25. Did any spillage of cargo result from the accident?

No spillage [] 0
 Spillage of non-hazardous cargo [] 1
 Spillage of hazardous cargo [] 2

VEHICLE USE

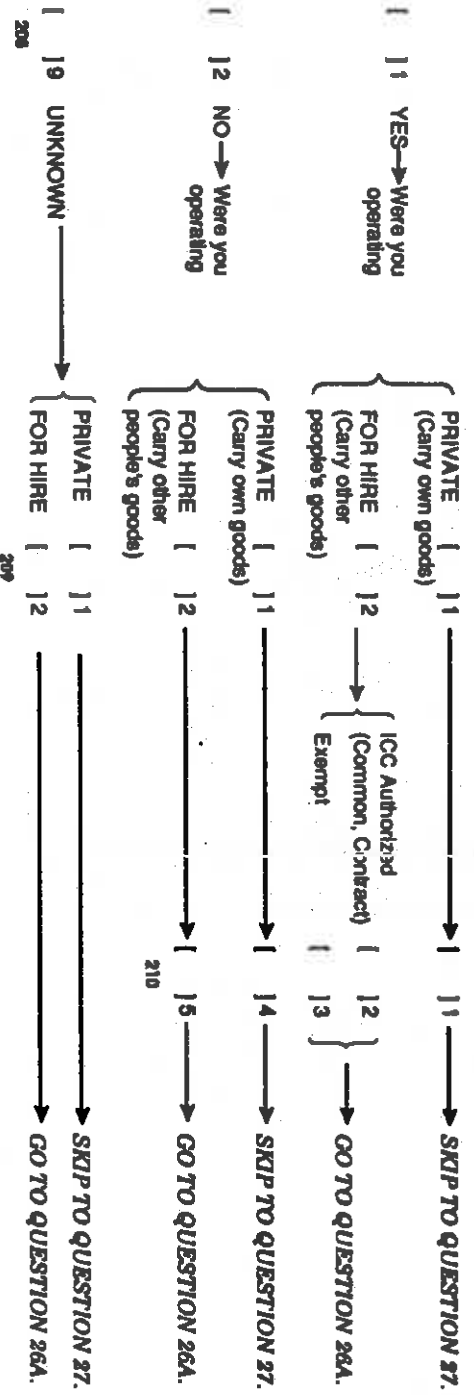
Owner Name _____

Owner's Business Type _____

26. Operating Authority at the Time of the Accident

Was this a daily rental truck? YES [] 17
 Was this truck govt. owned? YES [] 16

Within twelve months before the accident, did any of your trucks carry goods interstate (across state lines)?



26A. FOR FOR-HIRE OPERATORS ONLY: At the time of the accident, was the driver the owner of the truck and not on a long-term lease?

Yes [] 1
 No [] 2

27. Intended One-Way Trip Distance

- Local (*within a 50 mile radius of base*) [] 1
- Over-the-Road
 - 200 miles or less [] 2
 - Greater than 200 miles [] 3
 - Unknown over-the-road trip distance [] 4

212

28. How many hours had the driver been driving since the last 8-hour break? _____ Hrs. 213 214

REMAINDER TO BE COMPLETED BY EDITOR.

29. Interview? 216
- Yes [] 1
 - No [] 2
30. Police report? 216
- Yes [] 1
 - No [] 2
31. MCS 50-T? 217
- Yes [] 1
 - No [] 2

DERIVED INFORMATION (insert question numbers)

218	219	220	221	222	223	224	225	226	227

