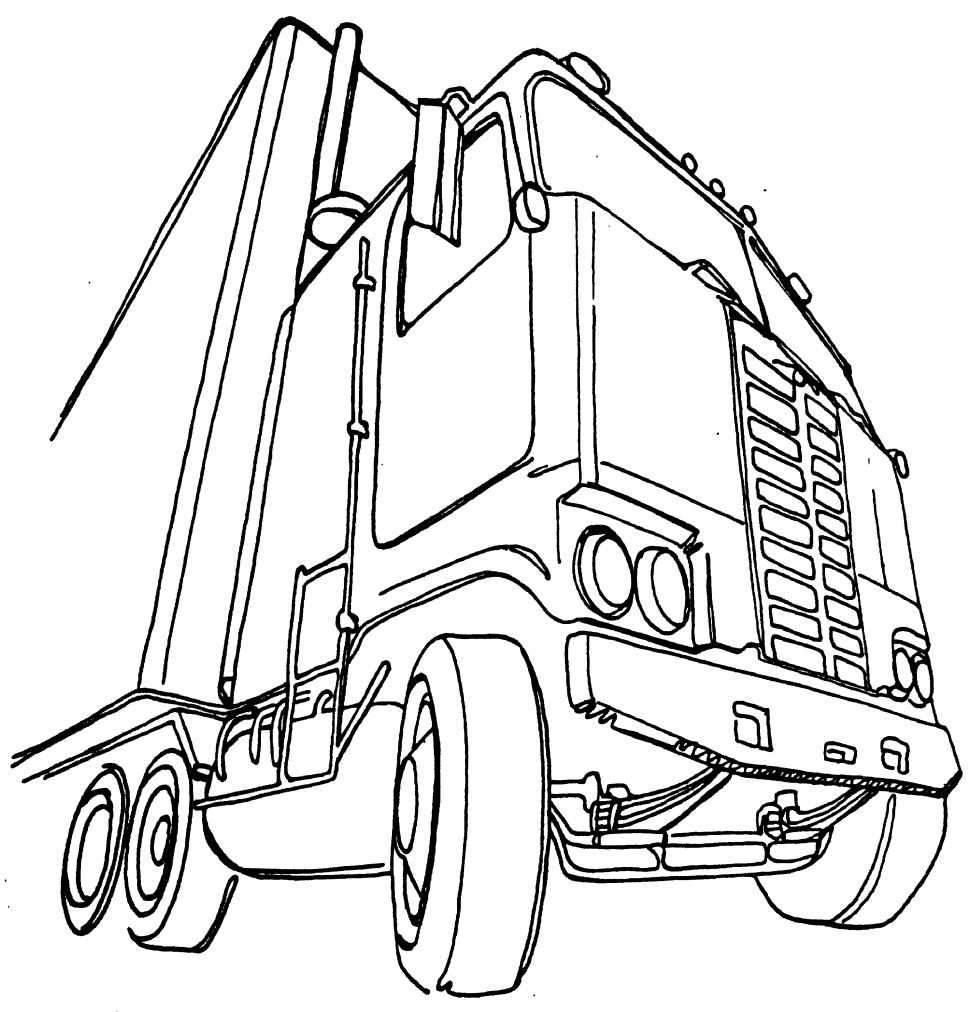


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NATIONAL TRUCK TRIP INFORMATION SURVEY

UMTRI TRUCK STUDY



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UMTRI **The University of Michigan
Transportation Research Institute**

NATIONAL TRUCK TRIP INFORMATION SURVEY
(Version March 30, 1988)

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UMTRI Truck Study

University of Michigan Transportation Research Institute

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16. Abstract <p>This report provides one-way frequencies for all the variables in the March 30, 1988, version of the National Truck Trip Information Survey. Part 1 documents the truck file, and contains vehicle-level information on the sample of medium and heavy trucks selected for study. Part 2 documents the trip file and contains travel information taken on four random days over a period of one year for a sub-sample of vehicles.</p> <p>Overall, the truck file includes information on 3,704 straight trucks and 2,601 tractors, for a total of 6,305 vehicles. Of these, 5,112 vehicles were selected for followup trip calls. The trip file provides travel data for the selected vehicles. The total travel of the straight trucks on survey days was 206,276 miles. The tractors traveled 707,000 miles, for a total travel on survey days of 913,276 miles.</p>					
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INTRODUCTION

Overview

This report documents the March 30, 1988, version of the National Truck Trip Information Survey dataset. The report summarizes all the information in the computerized data file. The dataset is hierarchical and consists of three parts: The truck file, the tractor trip file, and the straight truck trip file. The truck file contains vehicle, company (owner) and annual mileage information, with one record per vehicle. The tractor and straight truck trip files contain trip information, one record per trip, for each trip taken by a survey vehicle on a survey day.

Part 1, the Truck File Codebook, documents the truck file. Part 2, the Trip File Codebook, documents the two trip files. In the Truck File Codebook, weighted and unweighted frequencies and percentage distributions are given for the variables in the file. The first two columns show the unweighted frequencies and percents, with the heading "N" for the frequency column. The second two columns show frequencies and percents weighted by the appropriate national inflation factor. The column headed "WGHT" shows the weighted frequencies. In Part 2, frequencies and percentage distributions are shown for trips taken by straight trucks and by tractors. The first two columns are for trips where the power unit was determined to be a straight truck, with the heading "STRT" for the frequency column. The second two columns are for vehicles determined to be a tractor, with the heading "TRAC" for the frequency column. During the course of the survey year, a number of power units were converted from tractors to straight trucks, while some others were changed in the opposite direction. Trips taken with the power unit configured as a straight are in the straight truck trip file; trips taken as a tractor are in the tractor trip file. Variable 106 contains the most used power unit type.

The truck file contains information on 3,704 straight trucks and 2,601 tractors, for a total of 6,305 vehicles. Of these, 5,112 vehicles were selected for followup trip calls. The selected vehicles took 13,097 trips, which were traced on specially prepared maps. The mileage accumulated during these trips was broken down by road type, time of day, and area population type. The total travel of the straight trucks on survey days was 206,276 miles, and the tractors traveled 707,000 miles, for a total travel on survey days of 913,276 miles. We were able to map and categorize 87.6% of the straight truck travel and 96.1% of the tractor travel.

Vehicles included in the survey are trucks with a gross vehicle weight rating (GVWR) greater than 10,000 pounds. Excluded are all pick-up trucks (regardless of GVWR), all passenger vehicles (such as passenger vans, recreational vehicles, ambulances, and buses of any type), farm tractors, and government-owned trucks.

The sample frame was formed from registration files maintained by the R. L. Polk Company. Polk maintains files of registered vehicles for every state except Oklahoma. The versions of these files reflecting registrations as of July 1, 1983, were used. In addition, the R. L. Polk data for California does not include trucks with model years prior to 1973. Hence, the NTTIS sampling frame included the contiguous 48 states plus the District of Columbia, except for Oklahoma and pre-1973 model-year trucks in California. We selected 8,144 trucks from the Polk registration lists to form a stratified simple random sample. Each state was a separate stratum, and within each state, straight trucks were sampled separately from tractors. Sample sizes were specified for each state, roughly proportional to the size of the truck population in each state, and an interval selection procedure was followed in each stratum.

Data Collection for the Truck File

Survey interviewing was conducted by telephone whenever possible. Mail versions of the interview forms were used only when the interview could not be completed by telephone. The survey work was divided into two phases. The first, or implementation, phase was the initial contact with the owner. This phase began in January of 1985 and was completed in May of that year. During the initial contact, interviewers secured the owner's cooperation, confirmed the sample vehicle's identification, obtained descriptive information on the company and truck, and made arrangements for acquiring detailed mileage information on each of four random survey days. The information collected during the implementation phase is summarized in V101 through V121 in Part 1, the Truck File Codebook, of this report.

Of the original sample of 8,144 vehicles, 564 or 6.9% were determined to be non-sample. Of these, 362 or 64.2% had been destroyed and 73 or 12.9% were no longer registered. Another 62, 11.0% of the non-sample vehicles, were trucks with gross vehicle weight ratings of 10,000 pounds or less, while 38, 6.7%, were not trucks. Of the 7,580 remaining cases, interviews were completed for 6,305 of those vehicles, for a response rate of 83.2%. We were unable to complete 1,275 cases. Problems with locating the owner accounted for most of the non-response. For many of the incomplete cases, the registration information obtained through R. L. Polk seemed out of date and despite follow-up checks with state departments of motor vehicles and other sources, we were still unable to locate the owner. Refusals were encountered with only about 3% of the selected vehicles.

TABLE I

Disposition of Original NTTIS Sample			
Original Sample	Non-Sample	Completed	Dead or Refused
8,144	564	6,305	1,275
100%	6.9%	77.4%	15.7%

It should be noted that collecting the vehicle-level data for the truck file produced substantial changes in the distributions of straight trucks and tractors. Based on the Polk registration records there were 2,497 straight trucks, 5,497 tractors and 150 unknown power unit types in the original sample of 8,144 trucks. About 40% of the trucks selected from the "tractor" stratum turned out to be configured as straight trucks in actual use, while 4% of the "straight truck" stratum were actually tractors.

Truck File Weighting Procedures

Trucks were sampled by state, and within a state, separately for tractors and straight trucks. An UMTRI-developed algorithm was used to assign vehicles in the Polk registration lists to tractor, straight truck, or unknown power unit type categories. These assignments are recorded in V3 and were the classifications used in the sampling process. In addition, the registration lists were extensively processed to eliminate duplicate registrations. An interval procedure was used in selecting vehicles for the sample. At least 30 straight trucks and 60 tractors were selected from each state, and California and Michigan were oversampled to increase the number of tractors that pull two trailers. Variable 10 records the original sampling weight of the vehicles selected, which is simply the sampling frame total for a particular stratum divided by the number of vehicles selected from that stratum. Table 1 in the Appendix shows the frame totals and sample sizes for each state.

A number of adjustment factors were calculated to correct for the missing data encountered at several of the stages of data collection. The first adjustment factor calculated was for unknowns on the power unit type variable. This adjustment was made before all others because of the importance of power unit type to the strata used in other weights and because there were less missing data on power unit type. A major goal of the telephone interviews was to determine the power unit type (ptyp) of the sample vehicles, yet there remained 934 (11.5%) unknowns on this variable. Variable 126, "ptyp unknown adjustment", corrects for missing data in the power unit type variable, V106. The adjustment strata used were formed from the sample selection stratum, power unit make, model year and Polk body (a VIN-derived body-type variable generated by R. L. Polk). See Tables 2-4 in the Appendix for the actual adjustments by strata for this and the two adjustment variables described below.

A second adjustment was made to correct for the fact that Oklahoma and pre-1973 model year vehicles in California are missing from the Polk registration files. Variable 125, "frame adjustment," corrects for those missing vehicles. The adjustment was again done by strata, this time using the strata formed by GVWR (V8), model year (V6), and power unit type (V106). GVWR was broken down into classes 1 to 5, class 6, class 7, and class 8. Model year was divided between those manufactured before 1973, and 1973 and after. The adjustment was done separately for tractors and straight trucks. These strata were used for most subsequent weight adjustments. Thirdly, "non-contact adjustment," V127,

corrects for incomplete cases in the implementation phase of the study. We defined a case as complete if we had information on area of operation, V101, and power unit type, V106. The adjustment strata are the same as for V125.

The "final contact weight," V128, is simply the product of the original sampling weight, the frame adjustment, ptyp unknown adjustment and non-contact adjustment, or V10 times V125 times V126 times V127. This is the weight that should be used to produce national population totals for all "implementation" variables, which run from V1 to V121 in the truck file, Part 1 of this report. The range of V128 is given in Table 7 of the Appendix.

After the implementation phase was complete, a sub-sample was drawn for the trip phase of 2,511 straight trucks and 2,601 tractors. Detailed trip information was collected on the operating authority, driver, cargoes, configuration, and routes. These data are summarized in Part 2 of this report, the Trip File Codebook. Along with the travel data, supplemental vehicle-level information was gathered about the trucks selected for trip calls. For diesel-powered vehicles, information was collected concerning the horsepower and displacement of the engine and the use of fuel efficiency devices, summarized in V205 to V221. A second odometer reading and usual or typical configuration data were sought for all vehicles in the trip phase of the study. Variables 131 to 137, 201 to 204 and 301 to 318 in Part 1 cover those questions.

A separate set of adjustments covers the vehicle-level information for trucks selected for trip calls. The applicable adjustment and weight variables are V123, V124, V129 and V130.

"Trip selection weight" (V123) is the weight at which vehicles were selected for trip calls. All tractors were taken, as well as all diesel-powered straight trucks. In addition, all the non-diesels registered in California or Michigan were taken, and all class 3 and 4 non-diesel straight trucks registered outside of California or Michigan were selected. The remaining vehicles--non-diesel straight trucks from outside Michigan and California in GVWR classes 5 through 8 or with unknown GVWR--were sampled at a half rate.

Variable 124, the "trip flag" variable, simply indicates whether we were able to get any trip information for a vehicle. "Trip non-response," V129, adjusts for non-response during trip calls. The adjustment was made using the same strata as for V125 and V127. Variable 130 is the "final trip weight" and is the product of the trip selection weight (V123), final contact weight (V128), and the trip non-response adjustment (V129). Variable 130 is thus the vehicle weight for trucks selected for trip calls. This is the weight that should be used to produce national population totals for all the vehicle-level variables in the truck file that were collected only for those vehicles that were selected for trip calls, V131-V136 and V201-V318. See Table 5 in the Appendix for the V129 adjustment factors and Table 7 for the range of values for V130.

Data Collection for the Trip File

There were 2,511 straight trucks and 2,601 tractors selected for trip calls, making a total of 5,112. Trip calls were made on a given vehicle at three month intervals for one year. The "date codes" (1-89) correspond to the 89 days of a trip quarter. Date codes were randomly assigned to each vehicle at the time of selection. The list of selected vehicles was sorted by owner and date codes were assigned in such a way that adjacent vehicles on the list, and therefore possibly vehicles operated by the same owner, were not given consecutive date codes. Tractor trip calls ran from November 3, 1985 through November 4, 1986. Straight truck calls started on February 3, 1986 and were completed on February 5, 1987. Short, two or three day "break periods" were introduced between the quarters to allow the staff to prepare for the next quarter of interviewing. The start date for each trip quarter was chosen so that the survey day of any particular vehicle would fall on a weekend no more than twice over the course of the survey year. Table II shows that trip responses were distributed quite evenly across the days of the week.

TABLE II

SURVEY DAY RESPONSES
Percent by Day of Week

	Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Total
Straight	14.7	14.3	14.3	14.2	14.2	14.0	14.3	100.0
Tractor	14.8	14.3	14.4	14.2	14.3	14.2	13.9	100.0

All the frequencies in the trip file, documented in Part 2 of this report, are for actual trips. Records for survey days on which a survey vehicle was not in use are not included. The exposure data of interest are the miles accumulated by various configurations by road type, time of day, population type, and so on. A "trip" was defined so as to permit the aggregation of miles traveled for the configurations of interest. A new "trip" began whenever there was a change in driver, operating authority, vehicle configuration (e.g., adding or changing trailers, lowering or raising lift axles), or cargo type or amount. Thus if the driver changed, or cargo was loaded or unloaded, or one trailer type was exchanged for another, the interviewer began a new trip form to track the mileage put on by the new configuration. Consequently frequencies in the trip file reflect the number of trips and thus are not directly meaningful. For example, one straight truck took 22 trips on one of its survey days. That vehicle on a single day generated 22 records for each of the variables in the trip file. Note also that all records in the trip file for vehicles that were not used on their survey

day, and therefore accumulated no mileage, have been deleted. It is important to keep in mind while examining trip file frequencies that the value of the trip file lies in aggregating different types of travel across trips and survey days for the configurations of interest.

TABLE III
 RESPONSE RATES FOR TRIP PHASE
 Vehicles Selected for Trip Calls

Truck Type	Selected For Trip Calls	Responded to Trip Calls		Non-Response	
		N	%	N	%
Straight Truck	2,511	2,347	93.5%	164	6.5%
	Tractor 2,601	2,442	93.9	159	6.1
Totals	5,112	4,789	93.7%	323	6.3%

Potential and Completed Trip Calls

Truck Type	Potential Survey Days	Completed Survey Days		Non-Response	
		N	%	N	%
Straight Truck	10,044	8,856	88.2%	1,188	11.8%
	Tractor 10,404	8,804	84.6	1,600	15.4
Totals	20,448	17,660	86.4%	2,788	13.6%

The response rate for trip calls can be measured in two ways. Of the 5,112 vehicles selected for trip calls, we were able to get some trip information, even if it was only that the vehicle was not in use, for 4,789 of those vehicles, for a response rate of 93.7%. It was hoped to complete 4 trip calls on each vehicle over the course of a year, for a total of 20,448 potential trip days. A total of 17,660 survey day cases were actually completed, for a survey day response rate of 86.4%. The survey day response rate was 88.2% for straight trucks and 84.6% for tractors. Case counts for the trip phase of calling are summarized in Table III. These counts include cases in which it was determined that the truck was not in use.

Overall, the in-use rate, that is, the percentage of vehicles that actually were used on the road on their survey date, was lower than had been expected. Straight trucks were in use on 27.0% of their survey days. Tractors were used at a slightly higher rate, 35.5%. For all vehicles, the in-use rate was 31.3%, meaning that on 31.3% of the survey days, the vehicle was found to be in use. Table IV summarizes these findings.

TABLE IV
SURVEY DAY RESPONSES

	Days in Use		Days not in Use		Total
	N	%	N	%	
Straight Tractor	2,391	27.0%	6,465	73.0%	8,856
	3,124	35.5	5,680	64.5	8,804
Total	5,515	31.3%	12,145	68.7%	17,660

Table V shows the rates at which vehicles were used by day of week, separately for tractors and straight trucks. The distribution is fairly even across the weekdays, and drops sharply for the weekends, reaching its lowest point on Sunday. The second section of the table aggregates usage for weekends and weekdays. About 7.6% of straight trucks were in use on weekends, while 34.9% were used during the week. For tractors, 11.0% were used on weekends, 45.4% when their survey day fell during the work week. Overall, usage rates for tractors were substantially higher than for straight trucks.

TABLE V
SURVEY DAY RESPONSES
Percent in Use by Day of Week

	Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
Straight Tractor	4.0	32.4	36.6	34.9	36.5	34.3	11.2
	8.9	43.6	45.7	48.8	45.4	43.6	13.3
All	6.5	38.0	41.2	41.8	40.9	39.0	12.2

Percent in Use Weekday/Weekend

	Weekend	Weekday	Full Week
Straight Tractor	7.6	34.9	27.0
	11.0	45.4	35.5
All	9.3	40.2	31.3

Trip File Weighting Procedures

Trip file weights were designed to produce annual mileage estimates from the survey days and to correct for non-response on survey day calls. Travel for each truck was surveyed on a maximum of four days over a period of one year. The "annual mileage factor," variable 1060 in Part 2, inflates the daily mileage from complete responses on the survey days to an annual mileage figure. It is calculated by dividing 365 days by the number of survey days for which a response was obtained. Multiplying the travel on the survey days by the resulting factor produces an estimate of a vehicle's annual mileage. In addition to the trip non-response such as might occur when a vehicle was sold during the trip year and we were unable to locate the new owner, there was a second type of trip non-response. Based on odometer readings, travel estimated from the survey days did not account for all the miles accumulated by the vehicles.

Total annual travel was estimated in two ways. One was from the travel information collected on survey days. The actual routes followed by each vehicle for the 24 hour survey period were mapped and mileages totaled. These are the miles that are inflated by the annual mileage inflation factor (V1060) to generate mapped annual mileages. For each trip vehicle we also tried to obtain two odometer readings on two dates during the survey. Thus, annual miles could be estimated from odometer readings as well. Estimates of annual travel from the odometer readings were higher than those from survey day responses. This difference constitutes a second type of trip non-response. It is adjusted for by V1061, "odometer adjustment," which inflates the mileages obtained by aggregating the survey day travel to the mileages shown by odometer readings. The strata employed in making the adjustment were somewhat different from those used in calculating other adjustment factors, in order to improve the distribution of cases across the strata. Table 6 in the Appendix shows the strata and the magnitude of the resulting adjustments.

Variable 1062, "final trip weight," is the appropriate weight for population estimates of travel from the trip file. It is the product of the vehicle-level trip weight times the annual mileage factor times the odometer adjustment. That is, it was determined by multiplying the vehicle weight for trip file vehicles, (V130 in the truck file) by the factor which annualizes survey day mapped mileages (V1060), by the odometer adjustment (V1061), which compensates for under-reporting of mapped miles. The range of V1062 is shown separately for tractors and straight trucks in Table 7 of the Appendix.

Obtaining Information from the Dataset

This report provides counts and distributions of the code values for each variable in the truck and trip files. These tabulations are useful for understanding the variables available in the file, the completeness of the data, and the number of cases or trips with any specific code value. This report does not present either analysis or interpretation of the data.

Most research questions require more detailed cross-classification of the data, and for the trip file the value of the data lies primarily in the ability to aggregate mileages across configurations of interest. One might, for example, be interested in examining the differences between straight trucks and tractors in road type usage. While this dataset is not accessible to public users of the Michigan Terminal System, the staff of the Statistical Research Group of 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 at (313) 764-0248. Finally, while every effort has been made to check the accuracy of the data, the file may contain errors as yet undetected.

PART 1

The Truck File Codebook

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
1	SELECTION NUMBER	4	Numeric		21
2	REGISTRATION STATE	2	Numeric		21
3	SAMPLE SELECTION STRATUM	1	Numeric		22
5	POWER UNIT MAKE	2	Numeric		22
6	MODEL YEAR	2	Numeric		23
7	POLK BODY	2	Numeric		24
8	GROSS VEH WEIGHT RATING	1	Numeric		24
9	DATE CODE	2	Numeric		24
10	ORIGINAL SAMPLING WEIGHT	6	Numeric		26
101	AREA OF OPERATION	1	Numeric		26
102	OPERATING AUTHORITY	1	Numeric		27
103	CARRIER TYPE	1	Numeric		27
104	OWNER OPERATOR	1	Numeric		27
105	BASE STATE OF OPERATION	2	Numeric		27
106	POWER UNIT TYPE	1	Numeric		29
107	STRT TRUCK BODY STYLE	1	Numeric		29
108	POWER UNIT NO. OF AXLES	1	Numeric		29
109	CAB STYLE	1	Numeric		29
110	FUEL TYPE	1	Numeric		30
111	POWER UNIT EMPTY WEIGHT	6	Numeric		30
112	POWER UNIT LENGTH	3	Numeric		30
113	ESTIMATED ANNUAL MILEAGE	6	Numeric		31
114	PERCENT LOCAL	3	Numeric		31
115	PERCENT SHORT HAUL	3	Numeric		31
116	PERCENT LONG HAUL	3	Numeric		32

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
117	PERCENT TWIN TRAILERS	3	Numeric		32
118	ODOMETER READING	6	Numeric		32
119	MONTH OF READING	2	Numeric		32
120	DAY OF READING	2	Numeric		33
121	YEAR OF READING	2	Numeric		33
123	TRIP SELECTION WEIGHT	1	Numeric		33
124	TRIP FLAG	1	Numeric		33
125	FRAME ADJUSTMENT	4	Numeric		34
126	PTYP UNKNOWN ADJUSTMENT	4	Numeric		34
127	NON-CONTACT ADJUSTMENT	4	Numeric		34
128	FINAL CONTACT WEIGHT	7	Numeric		34
129	TRIP NON-RESPONSE ADJUST	4	Numeric		34
130	FINAL TRIP WEIGHT	7	Numeric		34
131	ODOM ANNUAL MILES	6	Numeric		34
132	FIRST JULIAN DATE	5	Numeric		35
133	LAST JULIAN DATE	5	Numeric		35
134	MILES	6	Numeric		35
135	DAYS	4	Numeric		35
136	MILES/DAY	4	Numeric		36
137	MAPPED ANNUAL MILEAGE	6	Numeric		36
201	FINAL ODOMETER READING	6	Numeric		36
202	MONTH OF FINAL READING	2	Numeric		36
203	DAY OF FINAL READING	2	Numeric		37
204	YEAR OF FINAL READING	2	Numeric		37
205	ENGINE MANUFACTURER	2	Numeric		38

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
206	DISPLACEMENT	4	Numeric		38
207	HORSEPOWER	3	Numeric		38
208	ENGINE MODIFIED	1	Numeric		39
209	AERODYNAMIC CAB	1	Numeric		39
210	AERODYNAMIC DEVICES	1	Numeric		39
211	RADIAL TIRES	1	Numeric		39
212	VARIABLE FAN	1	Numeric		40
213	FAN SHUTTER	1	Numeric		40
214	GOVERNOR	1	Numeric		40
215	TACHOGRAPH	1	Numeric		40
216	FUEL EFFICIENT OIL	1	Numeric		41
217	FUEL EFFICIENT AXLE	1	Numeric		41
218	FUEL EFFICIENT ENGINE	1	Numeric		41
219	OTHER DEVICES	1	Numeric		41
220	DRIVE AXLES	2	Numeric		42
221	FUEL EFFICIENT TRAILER	1	Numeric		42
301	USUAL 1ST TRAILER TYPE	1	Numeric		42
302	USUAL 1ST TRAILER BODY	2	Numeric		43
303	USUAL 1ST TRAILER AXLES	2	Numeric		43
304	USUAL 1ST TRAILER LENGTH	3	Numeric		43
305	USUAL 1ST TRLR EM WEIGHT	6	Numeric		44
306	USUAL 2ND TRAILER TYPE	1	Numeric		44
307	USUAL 2ND TRAILER BODY	2	Numeric		44
308	USUAL 2ND TRAILER AXLES	2	Numeric		44
309	USUAL 2ND TRAILER LENGTH	3	Numeric		45

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
310	USUAL 2ND TRLR EM WEIGHT	6	Numeric		45
311	USUAL 3RD TRAILER TYPE	1	Numeric		45
312	USUAL 3RD TRAILER BODY	2	Numeric		46
313	USUAL 3RD TRAILER AXLES	2	Numeric		46
314	USUAL 3RD TRAILER LENGTH	3	Numeric		46
315	USUAL 3RD TRLR EM WEIGHT	6	Numeric		46
316	USUAL OVERALL LENGTH	3	Numeric		47
317	USUAL CARGO TYPE	2	Numeric		47
318	DERIVED USUAL FLAG	1	Numeric		47

Variable	1	SELECTION NUMBER	MD1: None	Field Width: 4
			MD2: None	Type: Numeric

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

	N	Prcnt	WGHT	Prcnt	REGISTRATION STATE
	107	1.7	66742	2.1	01. Alabama
	75	1.2	23026	0.7	04. Arizona
	78	1.2	42423	1.4	05. Arkansas
	421	6.7	110822	3.6	06. California
	76	1.2	48410	1.6	08. Colorado
	76	1.2	27752	0.9	09. Connecticut
	64	1.0	11954	0.4	10. Delaware
	60	1.0	897	0.0	11. District of Columbia
	197	3.1	110017	3.5	12. Florida
	184	2.9	85477	2.8	13. Georgia
	77	1.2	24265	0.8	16. Idaho
	250	4.0	148218	4.8	17. Illinois
	207	3.3	121695	3.9	18. Indiana
	146	2.3	85419	2.8	19. Iowa
	161	2.6	116209	3.7	20. Kansas
	114	1.8	79978	2.6	21. Kentucky
	97	1.5	55727	1.8	22. Louisiana
	77	1.2	21905	0.7	23. Maine
	82	1.3	52145	1.7	24. Maryland
	93	1.5	51622	1.7	25. Massachusetts
	281	4.5	75671	2.4	26. Michigan
	186	3.0	114762	3.7	27. Minnesota
	76	1.2	40505	1.3	28. Mississippi
	145	2.3	93013	3.0	29. Missouri
	81	1.3	40574	1.3	30. Montana
	107	1.7	69901	2.3	31. Nebraska
	71	1.1	9754	0.3	32. Nevada
	72	1.1	13076	0.4	33. New Hampshire
	115	1.8	60966	2.0	34. New Jersey
	71	1.1	24143	0.8	35. New Mexico
	185	2.9	106193	3.4	36. New York
	189	3.0	112621	3.6	37. North Carolina
	117	1.9	77028	2.5	38. North Dakota
	262	4.2	145444	4.7	39. Ohio
	0	0.0	0	0.0	40. Oklahoma
	88	1.4	45584	1.5	41. Oregon
	252	4.0	146632	4.7	42. Pennsylvania
	64	1.0	7462	0.2	44. Rhode Island
	78	1.2	39776	1.3	45. South Carolina
	73	1.2	33182	1.1	46. South Dakota
	114	1.8	69319	2.2	47. Tennessee
	369	5.9	194399	6.3	48. Texas
	74	1.2	27729	0.9	49. Utah

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	N Prcnt	WGHT Prcnt	Var 2	REGISTRATION STATE	
	79	1.3	10099	0.3	50. Vermont
	127	2.0	77828	2.5	51. Virginia
	89	1.4	54398	1.8	53. Washington
	74	1.2	23377	0.8	54. West Virginia
	144	2.3	84409	2.7	55. Wisconsin
	80	1.3	22758	0.7	56. Wyoming

Variable	3	SAMPLE SELECTION STRATUM	MD1:	None	Field Width:	1
			MD2:	None	Type:	Numeric

	N Prcnt	WGHT Prcnt	SAMPLE SELECTION STRATUM	
	2006	31.8	1688396 54.4	2. Straight
	4233	67.1	1411523 45.5	3. Tractor
	66	1.0	5411 0.2	4. Unknown

Variable	5	POWER UNIT MAKE	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

	N Prcnt	WGHT Prcnt	POWER UNIT MAKE	
	40	0.6	14472 0.5	01. Autocar
	26	0.4	9446 0.3	02. Brockway
	792	12.6	568234 18.3	03. Chevrolet
	35	0.6	12319 0.4	04. Diamond Reo
	111	1.8	74008 2.4	05. Dodge
	1558	24.7	819933 26.4	06. Ford
	265	4.2	87374 2.8	07. Freightliner
	703	11.1	349912 11.3	08. GMC
	0	0.0	0 0.0	09. Hendrickson
	1362	21.6	642019 20.7	10. International Harvester
	305	4.8	97311 3.1	11. Kenworth
	559	8.9	237014 7.6	12. Mack
	4	0.1	1377 0.0	13. Marmon
	206	3.3	63050 2.0	14. Peterbilt
	237	3.8	82068 2.6	15. White
	30	0.5	20456 0.7	16. Mercedes-Benz
	16	0.3	5259 0.2	17. Volvo
	2	0.0	415 0.0	18. Western Star
	4	0.1	1680 0.1	19. FWD
	6	0.1	2497 0.1	20. Oshkosh
	4	0.1	1567 0.1	21. IVECO
	27	0.4	10032 0.3	98. Other
	13	0.2	4876 0.2	99. Unknown

Variable	6	MODEL YEAR	MD1:	0	Field Width:	2
			MD2:	None	Type:	Numeric

	N	Prcnt	WGHT	Prcnt	MODEL YEAR
	4	0.1	2352	0.1	00. Unknown
	1	0.0	970	0.0	44. 1944
	0	0.0	0	0.0	45. 1945
	2	0.0	355	0.0	46. 1946
	3	0.0	2916	0.1	47. 1947
	12	0.2	8487	0.3	48. 1948
	8	0.1	5300	0.2	49. 1949
	7	0.1	4661	0.2	50. 1950
	11	0.2	5654	0.2	51. 1951
	12	0.2	10209	0.3	52. 1952
	11	0.2	6485	0.2	53. 1953
	11	0.2	9800	0.3	54. 1954
	22	0.3	16280	0.5	55. 1955
	23	0.4	13946	0.4	56. 1956
	19	0.3	10227	0.3	57. 1957
	22	0.3	12195	0.4	58. 1958
	30	0.5	16079	0.5	59. 1959
	49	0.8	35276	1.1	60. 1960
	38	0.6	23719	0.8	61. 1961
	67	1.1	43973	1.4	62. 1962
	88	1.4	63251	2.0	63. 1963
	87	1.4	61811	2.0	64. 1964
	95	1.5	61911	2.0	65. 1965
	144	2.3	99109	3.2	66. 1966
	125	2.0	81273	2.6	67. 1967
	162	2.6	96596	3.1	68. 1968
	233	3.7	148943	4.8	69. 1969
	183	2.9	109166	3.5	70. 1970
	201	3.2	107167	3.5	71. 1971
	309	4.9	176811	5.7	72. 1972
	459	7.3	217183	7.0	73. 1973
	424	6.7	192531	6.2	74. 1974
	359	5.7	174748	5.6	75. 1975
	264	4.2	123322	4.0	76. 1976
	448	7.1	188063	6.1	77. 1977
	500	7.9	207244	6.7	78. 1978
	635	10.1	271344	8.7	79. 1979
	441	7.0	177089	5.7	80. 1980
	392	6.2	158111	5.1	81. 1981
	253	4.0	99146	3.2	82. 1982
	143	2.3	57894	1.9	83. 1983
	8	0.1	3714	0.1	84. 1984

Variable	7	POLK BODY	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

N	Prcnt	WGHT	Prcnt	POLK BODY
0	0.0	0	0.0	01. Auto Carrier
274	4.3	142293	4.6	02. Dump
221	3.5	133529	4.3	03. Flatbed
1081	17.1	813916	26.2	04. Cab & Chassis
164	2.6	47161	1.5	05. Tank
19	0.3	7371	0.2	06. Log
105	1.7	74995	2.4	07. Stake
11	0.2	4580	0.1	08. Refrigerated
2352	37.3	806098	26.0	09. Tractor
2078	33.0	1075385	34.6	99. Unknown

Variable	8	GROSS VEH WEIGHT RATING	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

N	Prcnt	WGHT	Prcnt	GROSS VEH WEIGHT RATING
8	0.1	2951	0.1	1. Class 1 : 6000 lbs. and less
3	0.0	763	0.0	2. Class 2 : 6001 - 10000 lbs
15	0.2	10604	0.3	3. Class 3 : 10001 - 14000 lbs.
61	1.0	49384	1.6	4. Class 4 : 14001 - 16000 lbs.
362	5.7	317014	10.2	5. Class 5 : 16001 - 19500 lbs.
1704	27.0	1225769	39.5	6. Class 6 : 19501 - 26000 lbs.
908	14.4	336059	10.8	7. Class 7 : 26001 - 33000 lbs.
3167	50.2	1152120	37.1	8. Class 8 : 33001 lbs. and up
77	1.2	10664	0.3	9. Unknown

Variable	9	DATE CODE	MD1:	None	Field Width:	2
			MD2:	None	Type:	Numeric

N	Prcnt	WGHT	Prcnt	DATE CODE
71	1.1	35013	1.1	01.
76	1.2	35525	1.1	02.
70	1.1	34723	1.1	03.
71	1.1	33379	1.1	04.
66	1.0	33740	1.1	05.
68	1.1	37271	1.2	06.
72	1.1	37444	1.2	07.
69	1.1	32879	1.1	08.
75	1.2	38633	1.2	09.
77	1.2	39867	1.3	10.
70	1.1	34513	1.1	11.
71	1.1	34467	1.1	12.
71	1.1	33270	1.1	13.

	N	Prcnt	WGHT	Prcnt	Var 9	DATE	CODE
	73	1.2	34428	1.1		14.	
	72	1.1	35706	1.1		15.	
	70	1.1	34463	1.1		16.	
	75	1.2	36585	1.2		17.	
	66	1.0	31401	1.0		18.	
	68	1.1	34420	1.1		19.	
	72	1.1	35671	1.1		20.	
	75	1.2	35688	1.1		21.	
	74	1.2	34269	1.1		22.	
	75	1.2	37565	1.2		23.	
	69	1.1	31848	1.0		24.	
	72	1.1	35521	1.1		25.	
	66	1.0	30390	1.0		26.	
	73	1.2	38378	1.2		27.	
	70	1.1	37140	1.2		28.	
	67	1.1	33463	1.1		29.	
	72	1.1	37810	1.2		30.	
	75	1.2	37709	1.2		31.	
	73	1.2	35860	1.2		32.	
	76	1.2	36859	1.2		33.	
	75	1.2	35519	1.1		34.	
	67	1.1	31898	1.0		35.	
	78	1.2	38570	1.2		36.	
	74	1.2	35611	1.1		37.	
	69	1.1	32887	1.1		38.	
	72	1.1	34021	1.1		39.	
	74	1.2	37503	1.2		40.	
	71	1.1	33756	1.1		41.	
	71	1.1	34611	1.1		42.	
	71	1.1	35098	1.1		43.	
	70	1.1	35737	1.2		44.	
	72	1.1	35998	1.2		45.	
	75	1.2	36178	1.2		46.	
	73	1.2	36313	1.2		47.	
	74	1.2	35837	1.2		48.	
	69	1.1	34617	1.1		49.	
	69	1.1	33825	1.1		50.	
	70	1.1	36946	1.2		51.	
	65	1.0	33428	1.1		52.	
	67	1.1	34196	1.1		53.	
	73	1.2	38535	1.2		54.	
	68	1.1	33080	1.1		55.	
	70	1.1	35700	1.1		56.	
	73	1.2	33753	1.1		57.	
	62	1.0	28158	0.9		58.	
	71	1.1	37245	1.2		59.	
	72	1.1	35288	1.1		60.	
	71	1.1	34898	1.1		61.	
	69	1.1	33324	1.1		62.	
	68	1.1	31706	1.0		63.	
	71	1.1	34414	1.1		64.	

	N	Prcnt	WGHT	Prcnt	Var 9	DATE CODE
	73	1.2	36828	1.2	65.	
	70	1.1	34639	1.1	66.	
	75	1.2	35673	1.1	67.	
	66	1.0	30580	1.0	68.	
	64	1.0	31784	1.0	69.	
	67	1.1	32949	1.1	70.	
	73	1.2	38404	1.2	71.	
	66	1.0	33743	1.1	72.	
	72	1.1	36393	1.2	73.	
	74	1.2	37291	1.2	74.	
	71	1.1	35955	1.2	75.	
	76	1.2	39719	1.3	76.	
	61	1.0	31071	1.0	77.	
	67	1.1	33535	1.1	78.	
	75	1.2	33826	1.1	79.	
	66	1.0	30744	1.0	80.	
	73	1.2	35324	1.1	81.	
	70	1.1	35489	1.1	82.	
	69	1.1	32861	1.1	83.	
	69	1.1	33945	1.1	84.	
	66	1.0	34625	1.1	85.	
	79	1.3	35515	1.1	86.	
	76	1.2	36973	1.2	87.	
	67	1.1	30065	1.0	88.	
	66	1.0	32805	1.1	89.	

Variable	10	ORIGINAL SAMPLING WEIGHT	MD1:	None	Field Width:	6
			MD2:	None	Type:	Numeric
					Implied Dec Places:	3

Variable	101	AREA OF OPERATION	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

	N	Prcnt	WGHT	Prcnt	AREA OF OPERATION
	3275	51.9	1406245	45.3	1. Interstate
	2948	46.8	1655791	53.3	2. Intrastate
	82	1.3	43295	1.4	7. Daily rental
	0	0.0	0	0.0	9. Unknown

Variable 102 **OPERATING AUTHORITY** MD1: 9 Field Width: 1
 MD2: None Type: Numeric

N	Prcnt	WGHT	Prcnt	OPERATING AUTHORITY
4791	76.0	2529751	81.5	1. Private
1417	22.5	525847	16.9	2. For hire
82	1.3	43295	1.4	7. Daily rental
15	0.2	6437	0.2	9. Unknown

Variable 103 **CARRIER TYPE** MD1: 9 Field Width: 1
 MD2: None Type: Numeric

N	Prcnt	WGHT	Prcnt	CARRIER TYPE
2094	33.2	974937	31.4	1. Interstate private
1089	17.3	397069	12.8	2. Interstate authorized
80	1.3	29557	1.0	3. Interstate exempt
2695	42.7	1554205	50.0	4. Intrastate private
244	3.9	97866	3.2	5. Intrastate for hire
82	1.3	43295	1.4	7. Daily rental
21	0.3	8401	0.3	9. Unknown

Variable 104 **OWNER OPERATOR** MD1: 9 Field Width: 1
 MD2: None Type: Numeric

N	Prcnt	WGHT	Prcnt	OWNER OPERATOR
154	2.4	61770	2.0	1. Yes
1258	20.0	461634	14.9	2. No
4790	76.0	2529351	81.5	8. Not applicable (private)
103	1.6	52575	1.7	9. Unknown

Variable 105 **BASE STATE OF OPERATION** MD1: 99 Field Width: 2
 MD2: None Type: Numeric

N	Prcnt	WGHT	Prcnt	BASE STATE OF OPERATION
98	1.6	62168	2.0	01. Alabama
78	1.2	23625	0.8	04. Arizona
86	1.4	45138	1.5	05. Arkansas
404	6.4	108512	3.5	06. California
82	1.3	49554	1.6	08. Colorado
80	1.3	28464	0.9	09. Connecticut
50	0.8	9963	0.3	10. Delaware
47	0.7	705	0.0	11. District of Columbia
214	3.4	115904	3.7	12. Florida

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N	Prcnt	WGHT	Prcnt	Var 105	BASE STATE OF OPERATION
191	3.0	89214	2.9	13.	Georgia
79	1.3	26289	0.8	16.	Idaho
234	3.7	141354	4.6	17.	Illinois
199	3.2	117563	3.8	18.	Indiana
137	2.2	80812	2.6	19.	Iowa
160	2.5	112740	3.6	20.	Kansas
114	1.8	79421	2.6	21.	Kentucky
96	1.5	55764	1.8	22.	Louisiana
75	1.2	20905	0.7	23.	Maine
92	1.5	49772	1.6	24.	Maryland
113	1.8	54350	1.8	25.	Massachusetts
267	4.2	75175	2.4	26.	Michigan
179	2.8	112473	3.6	27.	Minnesota
78	1.2	40902	1.3	28.	Mississippi
155	2.5	97433	3.1	29.	Missouri
82	1.3	41763	1.3	30.	Montana
102	1.6	66358	2.1	31.	Nebraska
66	1.0	10748	0.3	32.	Nevada
57	0.9	11479	0.4	33.	New Hampshire
110	1.7	56902	1.8	34.	New Jersey
68	1.1	23292	0.8	35.	New Mexico
200	3.2	111971	3.6	36.	New York
176	2.8	104951	3.4	37.	North Carolina
117	1.9	75244	2.4	38.	North Dakota
265	4.2	144835	4.7	39.	Ohio
13	0.2	5533	0.2	40.	Oklahoma
85	1.3	42491	1.4	41.	Oregon
272	4.3	151761	4.9	42.	Pennsylvania
61	1.0	7503	0.2	44.	Rhode Island
78	1.2	39406	1.3	45.	South Carolina
69	1.1	33709	1.1	46.	South Dakota
120	1.9	71579	2.3	47.	Tennessee
370	5.9	193735	6.2	48.	Texas
67	1.1	24678	0.8	49.	Utah
70	1.1	9288	0.3	50.	Vermont
134	2.1	79239	2.6	51.	Virginia
96	1.5	56461	1.8	53.	Washington
69	1.1	22528	0.7	54.	West Virginia
147	2.3	84022	2.7	55.	Wisconsin
77	1.2	22942	0.7	56.	Wyoming
26	0.4	14690	0.5	99.	Unknown

Variable 106 **POWER UNIT TYPE** MD1: 0 Field Width: 1
 MD2: None Type: Numeric

N Prcnt		WGHT Prcnt		POWER UNIT TYPE
0	0.0	0	0.0	0. Unknown
3704	58.7	2185629	70.4	1. Straight truck
2601	41.3	919702	29.6	8. Tractor

Variable 107 **STRT TRUCK BODY STYLE** MD1: 9 Field Width: 1
 MD2: None Type: Numeric

N Prcnt		WGHT Prcnt		STRT TRUCK BODY STYLE
2601	41.3	919702	29.6	0. Not applicable (tractor)
480	7.6	265017	8.5	1. Van
285	4.5	193984	6.2	2. Flatbed
353	5.6	169678	5.5	3. Tank
110	1.7	54338	1.7	5. Refrigerated
1348	21.4	848645	27.3	6. Dump
106	1.7	47942	1.5	7. Refuse
1021	16.2	605049	19.5	8. Other
1	0.0	972	0.0	9. Unknown

Variable 108 **POWER UNIT NO. OF AXLES** MD1: 9 Field Width: 1
 MD2: None Type: Numeric

N Prcnt		WGHT Prcnt		POWER UNIT NO. OF AXLES
3356	53.2	1955257	63.0	2. 2 axles
2867	45.5	1114543	35.9	3. 3 axles
81	1.3	35131	1.1	4. 4 or more axles
1	0.0	399	0.0	9. Unknown

Variable 109 **CAB STYLE** MD1: 9 Field Width: 1
 MD2: None Type: Numeric

N Prcnt		WGHT Prcnt		CAB STYLE
5	0.1	3033	0.1	1. Cab forward
1544	24.5	575298	18.5	2. Cabover
1089	17.3	547759	17.6	3. Short conventional
2723	43.2	1507931	48.6	4. Medium conventional
942	14.9	469942	15.1	5. Long conventional
2	0.0	1366	0.0	9. Unknown

Variable	110	FUEL TYPE		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric

	N Prcnt		WGHT Prcnt		FUEL TYPE
	2609	41.4	1732783	55.8	1. Gasoline
	3615	57.3	1329583	42.8	2. Diesel
	80	1.3	42565	1.4	3. Other
	1	0.0	399	0.0	9. Unknown

Variable	111	POWER UNIT EMPTY WEIGHT		MD1:	999999	Field Width:	6
				MD2:	None	Type:	Numeric

	N Prcnt		WGHT Prcnt		POWER UNIT EMPTY WEIGHT
	1	0.0			004982.
					- . Weight in pounds
	1	0.0			080000.
	116	1.8			999999. Unknown

Variable	112	POWER UNIT LENGTH		MD1:	999	Field Width:	3
				MD2:	None	Type:	Numeric

	N Prcnt		WGHT Prcnt		POWER UNIT LENGTH
	1	0.0	446	0.0	012. 12 feet
	4	0.1	2084	0.1	014. 14 feet
	89	1.4	28129	0.9	015. 15 feet
	144	2.3	64176	2.1	016. 16 feet
	257	4.1	123809	4.0	017. 17 feet
	516	8.2	248424	8.0	018. 18 feet
	645	10.2	259272	8.3	019. 19 feet
	743	11.8	368738	11.9	020. 20 feet
	469	7.4	227390	7.3	021. 21 feet
	651	10.3	322918	10.4	022. 22 feet
	477	7.6	259514	8.4	023. 23 feet
	463	7.3	268034	8.6	024. 24 feet
	415	6.6	228976	7.4	025. 25 feet
	275	4.4	140081	4.5	026. 26 feet
	200	3.2	102711	3.3	027. 27 feet
	305	4.8	138370	4.5	028. 28 feet
	129	2.0	74744	2.4	029. 29 feet
	247	3.9	118958	3.8	030. 30 feet
	54	0.9	22753	0.7	031. 31 feet
	52	0.8	22309	0.7	032. 32 feet
	29	0.5	13248	0.4	033. 33 feet
	21	0.3	7034	0.2	034. 34 feet
	22	0.3	9392	0.3	035. 35 feet
	9	0.1	5264	0.2	036. 36 feet

N Prcnt		WGHT Prcnt		Var 112	POWER UNIT LENGTH
6	0.1	3594	0.1	037.	37 feet
5	0.1	1563	0.1	038.	38 feet
1	0.0	85	0.0	039.	39 feet
6	0.1	2225	0.1	040.	40 feet
1	0.0	383	0.0	041.	41 feet
1	0.0	383	0.0	042.	42 feet
1	0.0	395	0.0	047.	47 feet
1	0.0	384	0.0	048.	48 feet
1	0.0	412	0.0	050.	50 feet
1	0.0	433	0.0	057.	57 feet
64	1.0	38683	1.2	999.	Unknown

Variable 113 ESTIMATED ANNUAL MILEAGE MD1: 999999 Field Width: 6
 MD2: None Type: Numeric

N Prcnt		WGHT Prcnt		ESTIMATED ANNUAL MILEAGE
207	3.3			000000. - . Miles
1	0.0			800000.
124	2.0			999999. Unknown

Variable 114 PERCENT LOCAL MD1: 999 Field Width: 3
 MD2: None Type: Numeric

N Prcnt		WGHT Prcnt		PERCENT LOCAL
1270	20.1	487389	15.7	000. 0 percent - . Percent
3102	49.2	1734773	55.9	100. 100 percent
89	1.4	51799	1.7	999. Unknown

Variable 115 PERCENT SHORT HAUL MD1: 999 Field Width: 3
 MD2: None Type: Numeric

N Prcnt		WGHT Prcnt		PERCENT SHORT HAUL
3816	60.5	2006855	64.6	000. 0 percent - . Percent
333	5.3	135942	4.4	100. 100 percent
89	1.4	51799	1.7	999. Unknown

Variable	116	PERCENT LONG HAUL	MD1:	999	Field Width:	3
			MD2:	None	Type:	Numeric

N	Prcnt	WGHT	Prcnt	PERCENT LONG HAUL
4900	77.7	2560404	82.5	000. 0 percent
				- . Percent
416	6.6	144929	4.7	100. 100 percent
90	1.4	52199	1.7	999. Unknown

Variable	117	PERCENT TWIN TRAILERS	MD1:	999	Field Width:	3
			MD2:	None	Type:	Numeric

N	Prcnt	WGHT	Prcnt	PERCENT TWIN TRAILERS
6032	95.7	3017317	97.2	000. 0 percent
				- . Percent
57	0.9	12718	0.4	100. 100 percent
51	0.8	25332	0.8	999. Unknown

Variable	118	ODOMETER READING	MD1:	999999	Field Width:	6
			MD2:	None	Type:	Numeric

N	Prcnt	WGHT	Prcnt	ODOMETER READING
40	0.6			000000.
				- . Miles
1	0.0			980000.
1876	29.8			999999. Unknown

Variable	119	MONTH OF READING	MD1:	99	Field Width:	2
			MD2:	88	Type:	Numeric

N	Prcnt	WGHT	Prcnt	MONTH OF READING
791	12.5	392055	12.6	01. January
1129	17.9	530222	17.1	02. February
833	13.2	320214	10.3	03. March
528	8.4	230390	7.4	04. April
347	5.5	174796	5.6	05. May
222	3.5	106098	3.4	06. June
93	1.5	49407	1.6	07. July
105	1.7	46102	1.5	08. August
109	1.7	48782	1.6	09. September
129	2.0	52251	1.7	10. October
39	0.6	16679	0.5	11. November
104	1.6	45584	1.5	12. December

N	Prcnt	WGHT	Prcnt	Var 119	MONTH OF READING
126	2.0	61884	2.0	88.	Broken
1750	27.8	1030860	33.2	99.	Unknown

Variable 120 DAY OF READING MD1: 99 Field Width: 2
 MD2: 88 Type: Numeric

N	Prcnt	WGHT	Prcnt	DAY OF READING
336	5.3	143579	4.6	01. - . Day of month
228	3.6	100073	3.2	31.
126	2.0	61884	2.0	88. Broken
1750	27.8	1030860	33.2	99. Unknown

Variable 121 YEAR OF READING MD1: 99 Field Width: 2
 MD2: 88 Type: Numeric

N	Prcnt	WGHT	Prcnt	YEAR OF READING
76	1.2	33247	1.1	84. 1984
3096	49.1	1351711	43.5	85. 1985
1253	19.9	624792	20.1	86. 1986
4	0.1	2835	0.1	87. 1987
126	2.0	61884	2.0	88. Broken
1750	27.8	1030860	33.2	99. Unknown

Variable 123 TRIP SELECTION WEIGHT MD1: 0 Field Width: 1
 MD2: None Type: Numeric

N	Prcnt	WGHT	Prcnt	TRIP SELECTION WEIGHT
1193	18.9			0. Not selected
3946	62.6			1. Selected at full rate
1166	18.5			2. Selected at half rate

Variable 124 TRIP FLAG MD1: 0 Field Width: 1
 MD2: None Type: Numeric

N	Prcnt	WGHT	Prcnt	TRIP FLAG
1516	24.0			0. No trip response
4789	76.0			1. Trip response

Variable 125 FRAME ADJUSTMENT MD1: None Field Width: 4
 MD2: None Type: Numeric
 Implied Dec Places: 3

Variable 126 PTYP UNKNOWN ADJUSTMENT MD1: None Field Width: 4
 MD2: None Type: Numeric
 Implied Dec Places: 3

Variable 127 NON-CONTACT ADJUSTMENT MD1: None Field Width: 4
 MD2: None Type: Numeric
 Implied Dec Places: 3

Variable 128 FINAL CONTACT WEIGHT MD1: None Field Width: 7
 MD2: None Type: Numeric
 Implied Dec Places: 3

Variable 129 TRIP NON-RESPONSE ADJUST MD1: None Field Width: 4
 MD2: None Type: Numeric
 Implied Dec Places: 3

Variable 130 FINAL TRIP WEIGHT MD1: None Field Width: 7
 MD2: None Type: Numeric
 Implied Dec Places: 3

Variables 131 through 137, 201 through 221, and 301 through 318 apply only to vehicles selected for trip calls.

Variable 131 ODOM ANNUAL MILES MD1: 999999 Field Width: 6
 MD2: None Type: Numeric

N	Prcnt	WGHT	Prcnt	ODOM ANNUAL MILES
38	0.6			000000.
				-
1	0.0			255527.
1193	18.9			999998. Not applicable; no trip calls
2118	33.6			999999. Unknown

Variable	132	FIRST JULIAN DATE	MD1: 99999	Field Width: 5
			MD2: None	Type: Numeric

N	Prcnt	WGHT	Prcnt	FIRST JULIAN DATE
1	0.0			30911. October 14, 1984
				- .
2	0.0			31736. January 19, 1987
1193	18.9			99998. Not applicable; no trip calls
1065	16.9			99999. Unknown

Variable	133	LAST JULIAN DATE	MD1: 99999	Field Width: 5
			MD2: None	Type: Numeric

N	Prcnt	WGHT	Prcnt	LAST JULIAN DATE
1	0.0			31222. August 23, 1985
				- .
1	0.0			31831. April 24, 1987
1193	18.9			99998. Not applicable; no trip calls
2033	32.2			99999. Unknown

Variable	134	MILES	MD1: 999999	Field Width: 6
			MD2: None	Type: Numeric

N	Prcnt	WGHT	Prcnt	MILES
38	0.6			000000.
				- .
1	0.0			284884.
1193	18.9			999998. Not applicable; no trip calls
2118	33.6			999999. Unknown

Variable	135	DAYS	MD1: 9999	Field Width: 4
			MD2: None	Type: Numeric

N	Prcnt	WGHT	Prcnt	DAYS
1	0.0			0012.
				- .
1	0.0			0796.
1193	18.9			9998. Not applicable; no trip calls
2118	33.6			9999. Unknown

Variable	136	MILES/DAY	MD1:	9999	Field Width:	4
			MD2:	None	Type:	Numeric

	N Prcnt	WGHT Prcnt	MILES/DAY
	88	1.4	0000.
			- .
	1	0.0	0700.
	1193	18.9	9998. Not applicable; no trip calls
	2118	33.6	9999. Unknown

Variable	137	MAPPED ANNUAL MILEAGE	MD1:	999999	Field Width:	6
			MD2:	None	Type:	Numeric

	N Prcnt	WGHT Prcnt	MAPPED ANNUAL MILEAGE
	1890	30.0	000000.
			- .
	1	0.0	326675.
	1193	18.9	999998. Not applicable; no trip calls
	328	5.2	999999. Unknown

Variable	201	FINAL ODOMETER READING	MD1:	999999	Field Width:	6
			MD2:	None	Type:	Numeric

	N Prcnt	WGHT Prcnt	FINAL ODOMETER READING
	1	0.0	000278.
			- . Miles
	1	0.0	998948.
	1193	18.9	999998. Not applicable; no trip calls
	2038	32.3	999999. Unknown

Variable	202	MONTH OF FINAL READING	MD1:	99	Field Width:	2
			MD2:	88	Type:	Numeric

	N Prcnt	WGHT Prcnt	MONTH OF FINAL READING
	577	9.2	493552 15.9 01. January
	155	2.5	119066 3.8 02. February
	32	0.5	22287 0.7 03. March
	19	0.3	15967 0.5 04. April
	12	0.2	5669 0.2 05. May
	22	0.3	8541 0.3 06. June
	36	0.6	12916 0.4 07. July
	291	4.6	112069 3.6 08. August
	472	7.5	180193 5.8 09. September

N Prcnt	WGHT Prcnt	Var 202	MONTH OF FINAL READING	
498	7.9	195406	6.3	10. October
382	6.1	262204	8.4	11. November
578	9.2	507413	16.3	12. December
536	8.5	449738	14.5	88. Broken
1193	18.9	0	0.0	98. Not applicable; no trip calls
1502	23.8	720304	23.2	99. Unknown

Variable 203	<u>DAY OF FINAL READING</u>	MD1:	99	Field Width:	2
		MD2:	88	Type:	Numeric

N Prcnt	WGHT Prcnt	DAY OF FINAL READING	
199	3.2	128890 4.2	01.
			- . Day of month
111	1.8	59646 1.9	31.
536	8.5	449738 14.5	88. Broken
1193	18.9	0 0.0	98. Not applicable; no trip calls
1502	23.8	720304 23.2	99. Unknown

Variable 204	<u>YEAR OF FINAL READING</u>	MD1:	99	Field Width:	2
		MD2:	88	Type:	Numeric

N Prcnt	WGHT Prcnt	YEAR OF FINAL READING	
7	0.1	2953 0.1	85. 1985
2314	36.7	1295836 41.7	86. 1986
753	11.9	636499 20.5	87. 1987
536	8.5	449738 14.5	88. Broken
1193	18.9	0 0.0	98. Not applicable; no trip calls
1502	23.8	720304 23.2	99. Unknown

Variables 205 through 221 apply only to diesel-powered vehicles selected for trip calls.

Variable	205	ENGINE MANUFACTURER	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

N	Prcnt	WGHT	Prcnt	ENGINE MANUFACTURER
0	0.0	0	0.0	01. Allis-Chalmers
370	5.9	142958	4.6	02. Caterpillar
1109	17.6	413670	13.3	03. Cummins
607	9.6	228227	7.3	04. Detroit Diesel-Allison
165	2.6	68131	2.2	05. International Harvester
363	5.8	169943	5.5	06. Mack
20	0.3	14936	0.5	07. Mercedes-Benz
10	0.2	5472	0.2	08. Renault
10	0.2	3467	0.1	09. Volvo
6	0.1	2537	0.1	10. White
13	0.2	7416	0.2	11. Other
2711	43.0	1775091	57.2	12. Not applicable
921	14.6	273480	8.8	99. Unknown

Variable	206	DISPLACEMENT	MD1:	9999	Field Width:	4
			MD2:	None	Type:	Numeric

N	Prcnt	WGHT	Prcnt	DISPLACEMENT
1	0.0	992	0.0	0159. - . Cubic inches
2	0.0	899	0.0	1160.
2711	43.0	1775091	57.2	9998. Not applicable
1340	21.3	451070	14.5	9999. Unknown

Variable	207	HORSEPOWER	MD1:	999	Field Width:	3
			MD2:	None	Type:	Numeric

N	Prcnt	WGHT	Prcnt	HORSEPOWER
1	0.0	422	0.0	110. -
1	0.0	443	0.0	855.
2711	43.0	1775091	57.2	998. Not applicable
1228	19.5	404975	13.0	999. Unknown

Variable	208	ENGINE MODIFIED	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

	N	Prcnt	WGHT	Prcnt	ENGINE MODIFIED
	225	3.6	89892	2.9	1. Yes
	2282	36.2	901762	29.0	2. No
	2711	43.0	1775091	57.2	8. Not applicable
	1087	17.2	338585	10.9	9. Unknown

Variable	209	AERODYNAMIC CAB	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

	N	Prcnt	WGHT	Prcnt	AERODYNAMIC CAB
	242	3.8	102453	3.3	1. Yes
	2444	38.8	960370	30.9	2. No
	2711	43.0	1775091	57.2	8. Not applicable
	908	14.4	267416	8.6	9. Unknown

Variable	210	AERODYNAMIC DEVICES	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

	N	Prcnt	WGHT	Prcnt	AERODYNAMIC DEVICES
	277	4.4	105676	3.4	1. Yes
	2416	38.3	960516	30.9	2. No
	2711	43.0	1775091	57.2	8. Not applicable
	901	14.3	264048	8.5	9. Unknown

Variable	211	RADIAL TIRES	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

	N	Prcnt	WGHT	Prcnt	RADIAL TIRES
	1822	28.9	694876	22.4	1. Yes
	865	13.7	368561	11.9	2. No
	2711	43.0	1775091	57.2	8. Not applicable
	907	14.4	266803	8.6	9. Unknown

Variable	212	VARIABLE FAN		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric

N	Prcnt	WGHT	Prcnt	VARIABLE FAN
1105	17.5	424843	13.7	1. Yes
1564	24.8	630376	20.3	2. No
2711	43.0	1775091	57.2	8. Not applicable
925	14.7	275020	8.9	9. Unknown

Variable	213	FAN SHUTTER		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric

N	Prcnt	WGHT	Prcnt	FAN SHUTTER
889	14.1	348509	11.2	1. Yes
1782	28.3	708748	22.8	2. No
2711	43.0	1775091	57.2	8. Not applicable
923	14.6	272983	8.8	9. Unknown

Variable	214	GOVERNOR		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric

N	Prcnt	WGHT	Prcnt	GOVERNOR
846	13.4	331877	10.7	1. Yes
1784	28.3	708181	22.8	2. No
2711	43.0	1775091	57.2	8. Not applicable
964	15.3	290181	9.3	9. Unknown

Variable	215	TACHOGRAPH		MD1:	9	Field Width:	1
				MD2:	None	Type:	Numeric

N	Prcnt	WGHT	Prcnt	TACHOGRAPH
381	6.0	143352	4.6	1. Yes
2265	35.9	902835	29.1	2. No
2711	43.0	1775091	57.2	8. Not applicable
948	15.0	284052	9.1	9. Unknown

Variable	216	FUEL EFFICIENT OIL	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

	N Prcnt	WGHT Prcnt	FUEL EFFICIENT OIL
	681	10.8	272286 8.8
	1980	31.4	781420 25.2
	2711	43.0	1775091 57.2
	933	14.8	276534 8.9

1. Yes
2. No
8. Not applicable
9. Unknown

Variable	217	FUEL EFFICIENT AXLE	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

	N Prcnt	WGHT Prcnt	FUEL EFFICIENT AXLE
	653	10.4	246861 7.9
	2002	31.8	804315 25.9
	2711	43.0	1775091 57.2
	939	14.9	279064 9.0

1. Yes
2. No
8. Not applicable
9. Unknown

Variable	218	FUEL EFFICIENT ENGINE	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

	N Prcnt	WGHT Prcnt	FUEL EFFICIENT ENGINE
	1405	22.3	560435 18.0
	1255	19.9	490943 15.8
	2711	43.0	1775091 57.2
	934	14.8	278862 9.0

1. Yes
2. No
8. Not applicable
9. Unknown

Variable	219	OTHER DEVICES	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

	N Prcnt	WGHT Prcnt	OTHER DEVICES
	67	1.1	25143 0.8
	2551	40.5	1009468 32.5
	2711	43.0	1775091 57.2
	976	15.5	295629 9.5

1. Yes
2. No
8. Not applicable
9. Unknown

Variable	220	DRIVE AXLES	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

	N	Prcnt	WGHT	Prcnt	DRIVE AXLES
	806	12.8	323245	10.4	01. 4X2
	1431	22.7	565928	18.2	02. 6X4
	278	4.4	104856	3.4	03. 6X2
	5	0.1	1985	0.1	04. 4X4
	7	0.1	2546	0.1	05. 6X6
	5	0.1	3025	0.1	06. 8X6
	3	0.0	1798	0.1	07. 10X4
	48	0.8	22343	0.7	08. Other
	2711	43.0	1775091	57.2	09. Not applicable
	1011	16.0	304511	9.8	99. Unknown

Variable	221	FUEL EFFICIENT TRAILER	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

	N	Prcnt	WGHT	Prcnt	FUEL EFFICIENT TRAILER
	867	13.8	314369	10.1	1. Yes
	885	14.0	335416	10.8	2. No
	2711	43.0	1775091	57.2	8. Not applicable
	1842	29.2	680454	21.9	9. Unknown

Variables 301 through 318 apply only to vehicles selected for trip calls.

Variable	301	USUAL 1ST TRAILER TYPE	MD1:	9	Field Width:	1
			MD2:	None	Type:	Numeric

	N	Prcnt	WGHT	Prcnt	USUAL 1ST TRAILER TYPE
	2162	34.3	811529	26.1	1. Semi-trailer
	31	0.5	13736	0.4	2. Full trailer
	16	0.3	15249	0.5	3. Utility trailer
	67	1.1	48036	1.5	4. Other
	1691	26.8	1657414	53.4	5. None
	1193	18.9	0	0.0	8. Not applicable; no trip calls
	1145	18.2	559366	18.0	9. Unknown

Variable	302	USUAL 1ST TRAILER BODY		MD1:	99	Field Width:	2
				MD2:	None	Type:	Numeric

N	Prct	WGHT	Prct	USUAL 1ST TRAILER BODY
1041	16.5	374922	12.1	01. Van
487	7.7	212265	6.8	02. Flatbed
153	2.4	57011	1.8	03. Tank
33	0.5	10184	0.3	04. Auto Carrier
558	8.9	232751	7.5	08. Other
1193	18.9	0	0.0	97. Not applicable; no trip calls
1691	26.8	1657414	53.4	98. Not applicable; no 1st trailer
1149	18.2	560782	18.1	99. Unknown

Variable	303	USUAL 1ST TRAILER AXLES		MD1:	99	Field Width:	2
				MD2:	None	Type:	Numeric

N	Prct	WGHT	Prct	USUAL 1ST TRAILER AXLES
258	4.1	94410	3.0	01. 1 axle
1782	28.3	695352	22.4	02. 2 axles
121	1.9	55260	1.8	03. 3 axles
26	0.4	9844	0.3	04. 4 axles
1193	18.9	0	0.0	97. Not applicable; no trip calls
1691	26.8	1657414	53.4	98. Not applicable; no 1st trailer
1234	19.6	593050	19.1	99. Unknown

Variable	304	USUAL 1ST TRAILER LENGTH		MD1:	999	Field Width:	3
				MD2:	None	Type:	Numeric

N	Prct	WGHT	Prct	USUAL 1ST TRAILER LENGTH
1	0.0	855	0.0	006. 6 feet
				- . Length in feet
1	0.0	417	0.0	098. 98 feet
1193	18.9	0	0.0	995. Not applicable; no trip calls
1691	26.8	1657414	53.4	996. Not applicable; no 1st trailer
23	0.4	11458	0.4	997. Short
10	0.2	3851	0.1	998. Long
1231	19.5	594931	19.2	999. Unknown

Variable	305	USUAL 1ST TRLR EM WEIGHT	MD1: 999999	Field Width: 6
			MD2: None	Type: Numeric

N	Prcnt	WGHT	Prcnt	USUAL 1ST TRLR EM WEIGHT
1	0.0			000200.
				- . Weight in pounds
1	0.0			106000.
1193	18.9			999997. Not applicable; no trip calls
1691	26.8			999998. Not applicable; no 1st trailer
1272	20.2			999999. Unknown

Variable	306	USUAL 2ND TRAILER TYPE	MD1: 9	Field Width: 1
			MD2: None	Type: Numeric

N	Prcnt	WGHT	Prcnt	USUAL 2ND TRAILER TYPE
0	0.0	0	0.0	1. Semi-trailer
58	0.9	14994	0.5	2. Full trailer
0	0.0	0	0.0	3. Utility trailer
1	0.0	429	0.0	4. Other
3909	62.0	2531472	81.5	5. None
1193	18.9	0	0.0	8. Not applicable; no trip calls
1144	18.1	558435	18.0	9. Unknown

Variable	307	USUAL 2ND TRAILER BODY	MD1: 99	Field Width: 2
			MD2: None	Type: Numeric

N	Prcnt	WGHT	Prcnt	USUAL 2ND TRAILER BODY
23	0.4	6292	0.2	01. Van
15	0.2	4149	0.1	02. Flatbed
2	0.0	434	0.0	03. Tank
0	0.0	0	0.0	04. Auto Carrier
19	0.3	4547	0.1	08. Other
1193	18.9	0	0.0	97. Not applicable; no trip calls
3909	62.0	2531472	81.5	98. Not applicable; no 2nd trailer
1144	18.1	558435	18.0	99. Unknown

Variable	308	USUAL 2ND TRAILER AXLES	MD1: 9	Field Width: 2
			MD2: None	Type: Numeric

N	Prcnt	WGHT	Prcnt	USUAL 2ND TRAILER AXLES
49	0.8	12305	0.4	02. 2 axles
2	0.0	479	0.0	03. 3 axles
3	0.0	785	0.0	04. 4 axles

N	Prcnt	WGHT	Prcnt	Var 308	USUAL 2ND TRAILER AXLES
1193	18.9	0	0.0	97.	Not applicable; no trip calls
3909	62.0	2531472	81.5	98.	Not applicable; no 2nd trailer
1149	18.2	560290	18.0	99.	Unknown

Variable 309 USUAL 2ND TRAILER LENGTH MD1: 999 Field Width: 3
 MD2: None Type: Numeric

N	Prcnt	WGHT	Prcnt	USUAL 2ND TRAILER LENGTH
2	0.0	429	0.0	018. 18 feet - . Length in feet
1	0.0	257	0.0	040. 40 feet
1193	18.9	0	0.0	995. Not applicable; no trip calls
3909	62.0	2531472	81.5	996. Not applicable; no 2nd trailer
1	0.0	214	0.0	997. Short
0	0.0	0	0.0	998. Long
1147	18.2	559214	18.0	999. Unknown

Variable 310 USUAL 2ND TRLR EM WEIGHT MD1: 999999 Field Width: 6
 MD2: None Type: Numeric

N	Prcnt	WGHT	Prcnt	USUAL 2ND TRLR EM WEIGHT
2	0.0			006000. - . Weight in pounds
1	0.0			036000.
1193	18.9			999997. Not applicable; no trip calls
3909	62.0			999998. Not applicable; no 2nd trailer
1149	18.2			999999. Unknown

Variable 311 USUAL 3RD TRAILER TYPE MD1: 9 Field Width: 1
 MD2: None Type: Numeric

N	Prcnt	WGHT	Prcnt	USUAL 3RD TRAILER TYPE
0	0.0	0	0.0	1. Semi-trailer
2	0.0	550	0.0	2. Full trailer
0	0.0	0	0.0	3. Utility trailer
0	0.0	0	0.0	4. Other
3966	62.9	2546346	82.0	5. None
1193	18.9	0	0.0	8. Not applicable; no trip calls
1144	18.1	558435	18.0	9. Unknown

Variable 312 USUAL 3RD TRAILER BODY MD1: 99 Field Width: 2
 MD2: None Type: Numeric

N Prcnt		WGHT Prcnt		USUAL 3RD TRAILER BODY
2	0.0	550	0.0	01. Van
0	0.0	0	0.0	02. Flatbed
0	0.0	0	0.0	03. Tank
0	0.0	0	0.0	04. Auto Carrier
0	0.0	0	0.0	08. Other
1193	18.9	0	0.0	97. Not applicable; no trip calls
3966	62.9	2546346	82.0	98. Not applicable; no 3rd trailer
1144	18.1	558435	18.0	99. Unknown

Variable 313 USUAL 3RD TRAILER AXLES MD1: 99 Field Width: 2
 MD2: None Type: Numeric

N Prcnt		WGHT Prcnt		USUAL 3RD TRAILER AXLES
2	0.0	550	0.0	02. 2 axles
1193	18.9	0	0.0	97. Not applicable; no trip calls
3966	62.9	2546346	82.0	98. Not applicable; no 3rd trailer
1144	18.1	558435	18.0	99. Unknown

Variable 314 USUAL 3RD TRAILER LENGTH MD1: 999 Field Width: 3
 MD2: None Type: Numeric

N Prcnt		WGHT Prcnt		USUAL 3RD TRAILER LENGTH
2	0.0	550	0.0	028. 28 feet
1193	18.9	0	0.0	995. Not applicable; no trip calls
3966	62.9	2546346	82.0	996. Not applicable; no 3rd trailer
0	0.0	0	0.0	997. Short
0	0.0	0	0.0	998. Long
1144	18.1	558435	18.0	999. Unknown

Variable 315 USUAL 3RD TRLR EM WEIGHT MD1: 999999 Field Width: 6
 MD2: None Type: Numeric

N Prcnt		WGHT Prcnt		USUAL 3RD TRLR EM WEIGHT
1	0.0			008750. 8750 lbs.
1	0.0			009500. 9500 lbs.
1193	18.9			999997. Not applicable; no trip calls
3966	62.9			999998. Not applicable; no 3rd trailer
1144	18.1			999999. Unknown

Variable	316	USUAL OVERALL LENGTH	MD1:	999	Field Width:	3
			MD2:	None	Type:	Numeric

N Prcnt		WGHT Prcnt		USUAL OVERALL LENGTH
1	0.0	2031	0.1	014. 14 feet - . Length in feet
1	0.0	417	0.0	125. 125 feet
1193	18.9	0	0.0	998. Not applicable; no trip calls
1285	20.4	632834	20.4	999. Unknown

Variable	317	USUAL CARGO TYPE	MD1:	99	Field Width:	2
			MD2:	None	Type:	Numeric

N Prcnt		WGHT Prcnt		USUAL CARGO TYPE
993	15.7	447625	14.4	01. General freight
55	0.9	26034	0.8	02. Household goods
121	1.9	64448	2.1	03. Metal: coils, sheets, etc
300	4.8	166777	5.4	04. Heavy machinery
35	0.6	10980	0.4	05. Motor vehicles
17	0.3	13374	0.4	06. Driveaway/towaway
31	0.5	21900	0.7	07. Gases in bulk
869	13.8	587758	18.9	08. Solids in bulk
283	4.5	167330	5.4	09. Liquids in bulk
4	0.1	2455	0.1	10. Explosives
212	3.4	130863	4.2	11. Logs/poles/lumber
80	1.3	50661	1.6	12. None (empty)
208	3.3	92075	3.0	13. Refrigerated food
22	0.3	8512	0.3	14. Mobile home
608	9.6	642476	20.7	15. Farm products
79	1.3	72331	2.3	16. Other
1193	18.9	0	0.0	98. Not applicable; no trip calls
1195	19.0	599724	19.3	99. Unknown

Variable	318	DERIVED USUAL FLAG	MD1:	0	Field Width:	1
			MD2:	None	Type:	Numeric

N Prcnt		WGHT Prcnt		DERIVED USUAL FLAG
4668	74.0	2942285	94.8	0. Not derived
444	7.0	163047	5.3	1. Derived
1193	18.9	0	0.0	9. Not applicable; no trip calls

PART 2

The Trip File Codebook

All frequencies reported in the Trip File Codebook are for the number of trips taken by the trucks in the sample and are therefore not directly meaningful.

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
1	SELECTION NUMBER	4	Numeric		57
9	DATE CODE	2	Numeric		57
1001	QUARTER	1	Numeric		59
1002	TRIP NUMBER	2	Numeric		59
1003	PRIVATE FOR HIRE	1	Numeric		59
1004	FOR HIRE TYPE	1	Numeric		60
1005	DRIVER AGE	2	Numeric		60
1006	DRIVER WITH COMPANY	2	Numeric		61
1007	ANY TRAILERS	1	Numeric		62
1008	POWER UNIT NO. OF AXLES	1	Numeric		63
1009	POWER UNIT LENGTH	3	Numeric		63
1010	STRAIGHT TRUCK CARGO	2	Numeric		64
1011	STRAIGHT TRUCK CARGO WT	6	Numeric		64
1012	ST TRUCK HAZARD CARGO	1	Numeric		64
1013	1ST TRAILER TYPE	1	Numeric		65
1014	1ST TRAILER BODY	2	Numeric		65
1015	1ST TRAILER NO. OF AXLES	2	Numeric		65
1016	1ST TRAILER LENGTH	3	Numeric		66
1017	1ST TRAILER EMPTY WEIGHT	6	Numeric		67
1018	1ST TRAILER CARGO	2	Numeric		67
1019	1ST TRAILER CARGO WEIGHT	6	Numeric		68
1020	1ST TRAILER HAZARD CARGO	1	Numeric		68
1021	2ND TRAILER TYPE	1	Numeric		68
1022	2ND TRAILER BODY	2	Numeric		69
1023	2ND TRAILER NO. OF AXLES	2	Numeric		69

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
1024	2ND TRAILER LENGTH	3	Numeric		69
1025	2ND TRAILER EMPTY WEIGHT	6	Numeric		70
1026	2ND TRAILER CARGO	2	Numeric		70
1027	2ND TRAILER CARGO WEIGHT	6	Numeric		71
1028	2ND TRAILER HAZARD CARGO	1	Numeric		71
1029	3RD TRAILER TYPE	1	Numeric		71
1030	3RD TRAILER BODY	2	Numeric		71
1031	3RD TRAILER NO. OF AXLES	2	Numeric		72
1032	3RD TRAILER LENGTH	3	Numeric		72
1033	3RD TRAILER EMPTY WEIGHT	6	Numeric		72
1034	3RD TRAILER CARGO	2	Numeric		73
1035	3RD TRAILER CARGO WEIGHT	6	Numeric		73
1036	3RD TRAILER HAZARD CARGO	1	Numeric		73
1037	GROSS WEIGHT	6	Numeric		74
1038	VEHICLE COMBINATION CODE	2	Numeric		74
1039	NUMBER OF TRAILERS	1	Numeric		74
1040	TOTAL MILES FOR THE TRIP	4	Numeric		75
1041	LIMITED ACCESS DAY RURAL	4	Numeric		75
1042	LIMIT ACC DAY SMALL URBAN	4	Numeric		75
1043	LIMIT ACC DAY LARGE URBAN	4	Numeric		75
1044	LIMIT ACCESS NIGHT RURAL	4	Numeric		76
1045	LIMIT ACC NIGHT SM URBAN	4	Numeric		76
1046	LIMIT ACC NIGHT LRG URBAN	4	Numeric		76
1047	MAJOR ARTERY DAY RURAL	4	Numeric		76
1048	MAJ ART DAY SMALL URBAN	4	Numeric		77

<u>Variable Number</u>	<u>Variable Name</u>	<u>Field Width</u>	<u>Character Type</u>	<u>Mult Resp</u>	<u>Page Number</u>
1049	MAJ ART DAY LARGE URBAN	4	Numeric		77
1050	MAJOR ARTERY NIGHT RURAL	4	Numeric		77
1051	MAJOR ART NIGHT SM URBAN	4	Numeric		77
1052	MAJ ART NIGHT LRG URBAN	4	Numeric		78
1053	OTHER DAY RURAL	4	Numeric		78
1054	OTHER DAY SMALL URBAN	4	Numeric		78
1055	OTHER DAY LARGE URBAN	4	Numeric		78
1056	OTHER NIGHT RURAL	4	Numeric		79
1057	OTHER NIGHT SM URBAN	4	Numeric		79
1058	OTHER NIGHT LRG URBAN	4	Numeric		79
1059	SPECIFIC LARGE URBAN	2	Numeric		79
1060	ANNUAL MILE FACTOR	6	Numeric		80
1061	ODOMETER ADJUSTMENT	6	Numeric		80
1062	FINAL TRIP WEIGHT	9	Numeric		80

Variable	1	SELECTION NUMBER	MD1: None	Field Width: 4
			MD2: None	Type: Numeric

Variable	9	DATE CODE	MD1: None	Field Width: 2
			MD2: None	Type: Numeric

STRT	Prcnt	TRAC	Prcnt	DATE CODE
53	1.1	67	0.8	01.
33	0.7	124	1.5	02.
34	0.7	142	1.7	03.
66	1.3	123	1.5	04.
71	1.4	115	1.4	05.
74	1.5	59	0.7	06.
46	0.9	39	0.5	07.
31	0.6	79	1.0	08.
59	1.2	93	1.1	09.
69	1.4	168	2.1	10.
53	1.1	103	1.3	11.
80	1.6	82	1.0	12.
42	0.8	117	1.4	13.
60	1.2	110	1.4	14.
110	2.2	62	0.8	15.
69	1.4	95	1.2	16.
67	1.3	114	1.4	17.
60	1.2	92	1.1	18.
53	1.1	94	1.2	19.
41	0.8	106	1.3	20.
59	1.2	113	1.4	21.
33	0.7	112	1.4	22.
94	1.9	96	1.2	23.
55	1.1	86	1.1	24.
39	0.8	86	1.1	25.
62	1.2	80	1.0	26.
86	1.7	31	0.4	27.
38	0.8	61	0.8	28.
70	1.4	63	0.8	29.
43	0.9	77	0.9	30.
62	1.2	81	1.0	31.
97	2.0	73	0.9	32.
49	1.0	96	1.2	33.
105	2.1	90	1.1	34.
52	1.0	66	0.8	35.
45	0.9	108	1.3	36.
49	1.0	123	1.5	37.
45	0.9	109	1.3	38.
48	1.0	119	1.5	39.
35	0.7	92	1.1	40.
57	1.1	109	1.3	41.
76	1.5	57	0.7	42.
60	1.2	123	1.5	43.

STRT	Prcnt	TRAC	Prcnt	Var 9	DATE CODE
59	1.2	118	1.5	44.	
38	0.8	78	1.0	45.	
39	0.8	113	1.4	46.	
46	0.9	110	1.4	47.	
50	1.0	94	1.2	48.	
25	0.5	64	0.8	49.	
46	0.9	73	0.9	50.	
69	1.4	94	1.2	51.	
73	1.5	24	0.3	52.	
52	1.0	30	0.4	53.	
29	0.6	55	0.7	54.	
45	0.9	120	1.5	55.	
54	1.1	67	0.8	56.	
39	0.8	106	1.3	57.	
37	0.7	144	1.8	58.	
55	1.1	61	0.8	59.	
83	1.7	57	0.7	60.	
54	1.1	109	1.3	61.	
80	1.6	83	1.0	62.	
34	0.7	50	0.6	63.	
62	1.2	95	1.2	64.	
92	1.9	100	1.2	65.	
47	0.9	79	1.0	66.	
62	1.2	106	1.3	67.	
40	0.8	121	1.5	68.	
39	0.8	83	1.0	69.	
39	0.8	49	0.6	70.	
65	1.3	98	1.2	71.	
86	1.7	76	0.9	72.	
31	0.6	80	1.0	73.	
61	1.2	84	1.0	74.	
58	1.2	69	0.8	75.	
69	1.4	96	1.2	76.	
29	0.6	63	0.8	77.	
51	1.0	93	1.1	78.	
43	0.9	127	1.6	79.	
78	1.6	79	1.0	80.	
80	1.6	100	1.2	81.	
33	0.7	108	1.3	82.	
54	1.1	123	1.5	83.	
78	1.6	43	0.5	84.	
71	1.4	99	1.2	85.	
46	0.9	134	1.6	86.	
40	0.8	122	1.5	87.	
40	0.8	136	1.7	88.	
35	0.7	83	1.0	89.	

Variable 1004 **FOR HIRE TYPE** MD1: 9 Field Width: 1
 MD2: None Type: Numeric

STRT Prcnt		TRAC Prcnt		FOR HIRE TYPE
1	0.0	10	0.1	2. ICC Authorized
0	0.0	9	0.1	3. ICC Exempt
3	0.1	14	0.2	5. Intrastate
4914	99.0	7903	97.2	8. Not applicable
48	1.0	195	2.4	9. Unknown

Variable 1005 **DRIVER AGE** MD1: 99 Field Width: 2
 MD2: None Type: Numeric

STRT Prcnt		TRAC Prcnt		DRIVER AGE
2	0.0	0	0.0	13. 13 years
2	0.0	12	0.1	17. 17 years
10	0.2	7	0.1	18. 18 years
26	0.5	7	0.1	19. 19 years
30	0.6	10	0.1	20. 20 years
60	1.2	74	0.9	21. 21 years
109	2.2	63	0.8	22. 22 years
104	2.1	69	0.8	23. 23 years
156	3.1	139	1.7	24. 24 years
206	4.1	173	2.1	25. 25 years
194	3.9	126	1.5	26. 26 years
200	4.0	233	2.9	27. 27 years
216	4.3	322	4.0	28. 28 years
88	1.8	179	2.2	29. 29 years
257	5.2	354	4.4	30. 30 years
155	3.1	202	2.5	31. 31 years
208	4.2	359	4.4	32. 32 years
105	2.1	227	2.8	33. 33 years
120	2.4	190	2.3	34. 34 years
220	4.4	422	5.2	35. 35 years
109	2.2	194	2.4	36. 36 years
112	2.3	174	2.1	37. 37 years
135	2.7	294	3.6	38. 38 years
79	1.6	207	2.5	39. 39 years
213	4.3	395	4.9	40. 40 years
48	1.0	167	2.1	41. 41 years
129	2.6	273	3.4	42. 42 years
102	2.1	208	2.6	43. 43 years
28	0.6	113	1.4	44. 44 years
167	3.4	384	4.7	45. 45 years
75	1.5	140	1.7	46. 46 years
72	1.4	190	2.3	47. 47 years
45	0.9	173	2.1	48. 48 years
24	0.5	77	0.9	49. 49 years
104	2.1	293	3.6	50. 50 years

STRT	Prcnt	TRAC	Prcnt	Var 1005	DRIVER AGE
49	1.0	102	1.3	51.	51 years
87	1.8	181	2.2	52.	52 years
69	1.4	77	0.9	53.	53 years
46	0.9	71	0.9	54.	54 years
86	1.7	200	2.5	55.	55 years
49	1.0	83	1.0	56.	56 years
53	1.1	69	0.8	57.	57 years
53	1.1	70	0.9	58.	58 years
24	0.5	38	0.5	59.	59 years
59	1.2	97	1.2	60.	60 years
24	0.5	79	1.0	61.	61 years
20	0.4	55	0.7	62.	62 years
27	0.5	24	0.3	63.	63 years
12	0.2	15	0.2	64.	64 years
8	0.2	12	0.1	65.	65 years
4	0.1	5	0.1	66.	66 years
8	0.2	11	0.1	67.	67 years
18	0.4	0	0.0	68.	68 years
1	0.0	7	0.1	69.	69 years
17	0.3	4	0.0	70.	70 years
7	0.1	6	0.1	71.	71 years
12	0.2	4	0.0	72.	72 years
2	0.0	4	0.0	73.	73 years
6	0.1	0	0.0	74.	74 years
0	0.0	3	0.0	75.	75 years
1	0.0	0	0.0	76.	76 years
2	0.0	0	0.0	80.	80 years
312	6.3	464	5.7	99.	Unknown

Variable 1006	DRIVER WITH COMPANY	MD1:	99	Field Width:	2
		MD2:	None	Type:	Numeric

STRT	Prcnt	TRAC	Prcnt	DRIVER WITH COMPANY
498	10.0	974	12.0	00. 0 years
415	8.4	835	10.3	01. 1 year
448	9.0	730	9.0	02. 2 years
386	7.8	710	8.7	03. 3 years
343	6.9	453	5.6	04. 4 years
322	6.5	498	6.1	05. 5 years
189	3.8	317	3.9	06. 6 years
175	3.5	303	3.7	07. 7 years
156	3.1	319	3.9	08. 8 years
105	2.1	184	2.3	09. 9 years
361	7.3	349	4.3	10. 10 years
77	1.6	157	1.9	11. 11 years
134	2.7	238	2.9	12. 12 years
72	1.4	122	1.5	13. 13 years
60	1.2	96	1.2	14. 14 years

STRT Prcnt	TRAC Prcnt	Var 1006	DRIVER WITH COMPANY	
158	3.2	279	3.4	15. 15 years
50	1.0	124	1.5	16. 16 years
47	0.9	93	1.1	17. 17 years
72	1.4	88	1.1	18. 18 years
34	0.7	62	0.8	19. 19 years
110	2.2	211	2.6	20. 20 years
18	0.4	46	0.6	21. 21 years
26	0.5	66	0.8	22. 22 years
11	0.2	39	0.5	23. 23 years
13	0.3	63	0.8	24. 24 years
45	0.9	113	1.4	25. 25 years
20	0.4	25	0.3	26. 26 years
25	0.5	15	0.2	27. 27 years
8	0.2	8	0.1	28. 28 years
0	0.0	6	0.1	29. 29 years
48	1.0	55	0.7	30. 30 years
8	0.2	5	0.1	31. 31 years
10	0.2	1	0.0	32. 32 years
4	0.1	2	0.0	33. 33 years
7	0.1	10	0.1	34. 34 years
37	0.7	7	0.1	35. 35 years
2	0.0	8	0.1	36. 36 years
8	0.2	2	0.0	37. 37 years
8	0.2	7	0.1	38. 38 years
11	0.2	4	0.0	39. 39 years
35	0.7	9	0.1	40. 40 years
4	0.1	4	0.0	41. 41 years
8	0.2	0	0.0	42. 42 years
4	0.1	0	0.0	43. 43 years
7	0.1	0	0.0	44. 44 years
3	0.1	12	0.1	45. 45 years
2	0.0	0	0.0	46. 46 years
3	0.1	0	0.0	48. 48 years
2	0.0	0	0.0	49. 49 years
12	0.2	4	0.0	50. 50 years
1	0.0	0	0.0	54. 54 years
6	0.1	0	0.0	60. 60 years
358	7.2	478	5.9	99. Unknown

Variable 1007	ANY TRAILERS	MD1:	9	Field Width:	1
		MD2:	None	Type:	Numeric

STRT Prcnt	TRAC Prcnt	ANY TRAILERS		
4524	91.1	258	3.2	1. No
427	8.6	7854	96.6	2. Yes
15	0.3	19	0.2	9. Unknown

Variable 1008	POWER UNIT NO. OF AXLES	MD1: 9	Field Width: 1
		MD2: None	Type: Numeric

STRT	Prcnt	TRAC	Prcnt	POWER UNIT NO. OF AXLES
2735	55.1	2292	28.2	2. 2 axles
2000	40.3	5828	71.7	3. 3 axles
223	4.5	11	0.1	4. 4 axles
3	0.1	0	0.0	5. 5 axles
5	0.1	0	0.0	6. 6 axles
0	0.0	0	0.0	9. Unknown

Variable 1009	POWER UNIT LENGTH	MD1: 999	Field Width: 3
		MD2: None	Type: Numeric

STRT	Prcnt	TRAC	Prcnt	POWER UNIT LENGTH
0	0.0	2	0.0	012. 12 feet
0	0.0	2	0.0	014. 14 feet
0	0.0	377	4.6	015. 15 feet
30	0.6	392	4.8	016. 16 feet
91	1.8	333	4.1	017. 17 feet
209	4.2	881	10.8	018. 18 feet
75	1.5	1639	20.2	019. 19 feet
312	6.3	1254	15.4	020. 20 feet
258	5.2	884	10.9	021. 21 feet
385	7.8	907	11.2	022. 22 feet
384	7.7	515	6.3	023. 23 feet
426	8.6	293	3.6	024. 24 feet
488	9.8	238	2.9	025. 25 feet
453	9.1	95	1.2	026. 26 feet
258	5.2	102	1.3	027. 27 feet
487	9.8	117	1.4	028. 28 feet
173	3.5	48	0.6	029. 29 feet
426	8.6	29	0.4	030. 30 feet
87	1.8	13	0.2	031. 31 feet
167	3.4	0	0.0	032. 32 feet
56	1.1	10	0.1	033. 33 feet
54	1.1	0	0.0	034. 34 feet
64	1.3	0	0.0	035. 35 feet
47	0.9	0	0.0	036. 36 feet
7	0.1	0	0.0	037. 37 feet
11	0.2	0	0.0	038. 38 feet
1	0.0	0	0.0	039. 39 feet
10	0.2	0	0.0	040. 40 feet
1	0.0	0	0.0	041. 41 feet
4	0.1	0	0.0	048. 48 feet
2	0.0	0	0.0	999. Unknown

Variable 1010 **STRAIGHT TRUCK CARGO** MD1: 99 Field Width: 2
 MD2: None Type: Numeric

STRT	Prcnt	TRAC	Prcnt	STRAIGHT TRUCK CARGO
624	12.6	0	0.0	01. General freight
18	0.4	0	0.0	02. Household goods
58	1.2	0	0.0	03. Metal: coils, sheets, etc
131	2.6	2	0.0	04. Heavy machinery
3	0.1	44	0.5	05. Motor vehicles
20	0.4	24	0.3	06. Driveaway/towaway
48	1.0	0	0.0	07. Gases in bulk
1026	20.7	1	0.0	08. Solids in bulk
361	7.3	0	0.0	09. Liquids in bulk
2	0.0	0	0.0	10. Explosives
102	2.1	0	0.0	11. Logs/poles/lumber
1928	38.8	0	0.0	12. None (empty)
163	3.3	0	0.0	13. Refrigerated food
0	0.0	0	0.0	14. Mobile home
254	5.1	0	0.0	15. Farm products
197	4.0	1	0.0	16. Other
0	0.0	8059	99.1	98. Not applicable
31	0.6	0	0.0	99. Unknown

Variable 1011 **STRAIGHT TRUCK CARGO WT** MD1: 999999 Field Width: 6
 MD2: None Type: Numeric

STRT	Prcnt	TRAC	Prcnt	STRAIGHT TRUCK CARGO WT
1928	38.8	0	0.0	000000. - . Weight in pounds
1	0.0	0	0.0	073000.
0	0.0	8083	99.4	999996. Not applicable (tractor)
298	6.0	1	0.0	999997. Some cargo (weight unknown)
42	0.8	0	0.0	999998. Full cargo (weight unknown)
44	0.9	0	0.0	999999. Unknown

Variable 1012 **ST TRUCK HAZARD CARGO** MD1: 9 Field Width: 1
 MD2: None Type: Numeric

STRT	Prcnt	TRAC	Prcnt	ST TRUCK HAZARD CARGO
292	5.9	0	0.0	1. Hazardous cargo
4651	93.7	72	0.9	2. Non-hazardous cargo
0	0.0	8059	99.1	8. Not applicable
23	0.5	0	0.0	9. Unknown

Variable 1013 **1ST TRAILER TYPE** MD1: 9 Field Width: 1
 MD2: None Type: Numeric

STRT Prcnt		TRAC Prcnt		1ST TRAILER TYPE
0	0.0	7815	96.1	1. Semi-trailer
267	5.4	0	0.0	2. Full trailer
51	1.0	0	0.0	3. Utility trailer
109	2.2	38	0.5	4. Other
4524	91.1	258	3.2	5. None
15	0.3	20	0.2	9. Unknown

Variable 1014 **1ST TRAILER BODY** MD1: 99 Field Width: 2
 MD2: None Type: Numeric

STRT Prcnt		TRAC Prcnt		1ST TRAILER BODY
15	0.3	19	0.2	00. Unknown if 1st trailer
8	0.2	4125	50.7	01. Van
97	2.0	1128	13.9	02. Flatbed
78	1.6	719	8.8	03. Tank
0	0.0	154	1.9	04. Auto Carrier
47	0.9	607	7.5	06. Dump
197	4.0	1111	13.7	08. Other
4524	91.1	258	3.2	98. Not applicable
0	0.0	10	0.1	99. Unknown

Variable 1015 **1ST TRAILER NO. OF AXLES** MD1: 99 Field Width: 2
 MD2: None Type: Numeric

STRT Prcnt		TRAC Prcnt		1ST TRAILER NO. OF AXLES
50	1.0	1039	12.8	01. 1 axle
296	6.0	6298	77.5	02. 2 axles
54	1.1	355	4.4	03. 3 axles
11	0.2	72	0.9	04. 4 axles
5	0.1	9	0.1	05. 5 axles
0	0.0	4	0.0	06. 6 axles
0	0.0	7	0.1	07. 7 axles
0	0.0	5	0.1	08. 8 axles
15	0.3	19	0.2	97. Unknown if 1st trailer
4524	91.1	258	3.2	98. Not applicable
11	0.2	65	0.8	99. Unknown

Variable 1016 1ST TRAILER LENGTH MD1: 999 Field Width: 3
 MD2: None Type: Numeric

STRTR	Prcnt	TRAC	Prcnt	1ST TRAILER LENGTH
6	0.1	0	0.0	008. 8 feet
7	0.1	0	0.0	009. 9 feet
29	0.6	2	0.0	010. 10 feet
8	0.2	0	0.0	012. 12 feet
6	0.1	2	0.0	013. 13 feet
33	0.7	0	0.0	014. 14 feet
44	0.9	4	0.0	015. 15 feet
20	0.4	0	0.0	016. 16 feet
1	0.0	0	0.0	017. 17 feet
23	0.5	13	0.2	018. 18 feet
3	0.1	0	0.0	019. 19 feet
74	1.5	66	0.8	020. 20 feet
6	0.1	19	0.2	021. 21 feet
23	0.5	52	0.6	022. 22 feet
1	0.0	20	0.2	023. 23 feet
36	0.7	127	1.6	024. 24 feet
12	0.2	60	0.7	025. 25 feet
11	0.2	126	1.5	026. 26 feet
1	0.0	343	4.2	027. 27 feet
12	0.2	452	5.6	028. 28 feet
0	0.0	30	0.4	029. 29 feet
8	0.2	184	2.3	030. 30 feet
0	0.0	9	0.1	031. 31 feet
2	0.0	177	2.2	032. 32 feet
0	0.0	40	0.5	033. 33 feet
5	0.1	98	1.2	034. 34 feet
19	0.4	173	2.1	035. 35 feet
0	0.0	102	1.3	036. 36 feet
0	0.0	30	0.4	037. 37 feet
0	0.0	190	2.3	038. 38 feet
0	0.0	26	0.3	039. 39 feet
1	0.0	1651	20.3	040. 40 feet
0	0.0	56	0.7	041. 41 feet
3	0.1	734	9.0	042. 42 feet
0	0.0	185	2.3	043. 43 feet
0	0.0	91	1.1	044. 44 feet
0	0.0	1907	23.5	045. 45 feet
0	0.0	84	1.0	046. 46 feet
0	0.0	44	0.5	047. 47 feet
0	0.0	474	5.8	048. 48 feet
0	0.0	3	0.0	049. 49 feet
0	0.0	47	0.6	050. 50 feet
0	0.0	2	0.0	051. 51 feet
0	0.0	13	0.2	052. 52 feet
0	0.0	2	0.0	053. 53 feet
0	0.0	4	0.0	055. 55 feet
0	0.0	1	0.0	056. 56 feet
0	0.0	1	0.0	057. 57 feet

STRT	Prcnt	TRAC	Prcnt	Var 1016	1ST TRAILER LENGTH
0	0.0	1	0.0	058.	58 feet
0	0.0	15	0.2	060.	60 feet
0	0.0	1	0.0	066.	66 feet
0	0.0	7	0.1	070.	70 feet
0	0.0	1	0.0	072.	72 feet
0	0.0	5	0.1	080.	80 feet
15	0.3	19	0.2	995.	Unknown if 1st trailer
4524	91.1	258	3.2	996.	Not applicable
17	0.3	40	0.5	997.	Short
0	0.0	52	0.6	998.	Long
16	0.3	88	1.1	999.	Unknown

Variable 1017 **1ST TRAILER EMPTY WEIGHT** MD1: 999999 Field Width: 6
 MD2: None Type: Numeric

STRT	Prcnt	TRAC	Prcnt	1ST TRAILER EMPTY WEIGHT
0	0.0	2	0.0	000200.
				- . Weight in pounds
0	0.0	1	0.0	156000.
15	0.3	19	0.2	999997. Unknown if 1st trailer
4524	91.1	258	3.2	999998. Not applicable
15	0.3	129	1.6	999999. Unknown

Variable 1018 **1ST TRAILER CARGO** MD1: 99 Field Width: 2
 MD2: None Type: Numeric

STRT	Prcnt	TRAC	Prcnt	1ST TRAILER CARGO
0	0.0	2503	30.8	01. General freight
0	0.0	39	0.5	02. Household goods
4	0.1	196	2.4	03. Metal: coils, sheets, etc
70	1.4	252	3.1	04. Heavy machinery
0	0.0	92	1.1	05. Motor vehicles
0	0.0	0	0.0	06. Driveaway/towaway
0	0.0	24	0.3	07. Gases in bulk
72	1.4	750	9.2	08. Solids in bulk
37	0.7	336	4.1	09. Liquids in bulk
0	0.0	2	0.0	10. Explosives
25	0.5	245	3.0	11. Logs/poles/lumber
196	3.9	2610	32.1	12. None (empty)
0	0.0	500	6.1	13. Refrigerated food
1	0.0	38	0.5	14. Mobile home
13	0.3	226	2.8	15. Farm products
5	0.1	5	0.1	16. Other
15	0.3	19	0.2	97. Unknown if 1st trailer
4524	91.1	258	3.2	98. Not applicable

STRT Prcnt	TRAC Prcnt	Var 1018	1ST TRAILER CARGO
4 0.1	36 0.4	99.	Unknown

Variable 1019	1ST TRAILER CARGO WEIGHT	MD1: 999999	Field Width: 6
		MD2: None	Type: Numeric

STRT Prcnt	TRAC Prcnt	1ST TRAILER CARGO WEIGHT
196 3.9	2610 32.1	000000.
0 0.0	0 0.0	- . Weight in pounds
15 0.3	19 0.2	103000.
4524 91.1	258 3.2	999995. Unknown if 1st trailer
24 0.5	324 4.0	999996. Not applicable
2 0.0	56 0.7	999997. Some cargo (weight unknown)
4 0.1	19 0.2	999998. Full cargo (weight unknown)
		999999. Unknown

Variable 1020	1ST TRAILER HAZARD CARGO	MD1: 9	Field Width: 1
		MD2: None	Type: Numeric

STRT Prcnt	TRAC Prcnt	1ST TRAILER HAZARD CARGO
26 0.5	269 3.3	1. Hazardous cargo
397 8.0	7555 92.9	2. Non-hazardous cargo
15 0.3	19 0.2	7. Unknown if 1st trailer
4524 91.1	258 3.2	8. Not applicable
4 0.1	30 0.4	9. Unknown

Variable 1021	2ND TRAILER TYPE	MD1: 9	Field Width: 1
		MD2: None	Type: Numeric

STRT Prcnt	TRAC Prcnt	2ND TRAILER TYPE
0 0.0	0 0.0	1. Semi-trailer
2 0.0	506 6.2	2. Full trailer
0 0.0	0 0.0	3. Utility trailer
1 0.0	8 0.1	4. Other
4963 99.9	7611 93.6	5. None
0 0.0	6 0.1	9. Unknown

Variable 1022 **2ND TRAILER BODY** MD1: 999 Field Width: 2
 MD2: None Type: Numeric

STRT	Prcnt	TRAC	Prcnt	2ND TRAILER BODY
0	0.0	6	0.1	00. Unknown if 2nd trailer
1	0.0	302	3.7	01. Van
0	0.0	63	0.8	02. Flatbed
0	0.0	13	0.2	03. Tank
0	0.0	0	0.0	04. Auto Carrier
0	0.0	55	0.7	06. Dump
2	0.0	78	1.0	08. Other
4963	99.9	7611	93.6	98. Not applicable
0	0.0	3	0.0	99. Unknown

Variable 1023 **2ND TRAILER NO. OF AXLES** MD1: 99 Field Width: 2
 MD2: None Type: Numeric

STRT	Prcnt	TRAC	Prcnt	2ND TRAILER NO. OF AXLES
2	0.0	431	5.3	02. 2 axles
0	0.0	17	0.2	03. 3 axles
0	0.0	8	0.1	04. 4 axles
0	0.0	52	0.6	05. 5 axles
0	0.0	6	0.1	97. Unknown if 2nd trailer
4963	99.9	7611	93.6	98. Not applicable
1	0.0	6	0.1	99. Unknown

Variable 1024 **2ND TRAILER LENGTH** MD1: 999 Field Width: 3
 MD2: None Type: Numeric

STRT	Prcnt	TRAC	Prcnt	2ND TRAILER LENGTH
0	0.0	12	0.1	018. 18 feet
2	0.0	48	0.6	020. 20 feet
0	0.0	13	0.2	021. 21 feet
0	0.0	6	0.1	022. 22 feet
0	0.0	15	0.2	023. 23 feet
0	0.0	55	0.7	024. 24 feet
0	0.0	16	0.2	025. 25 feet
0	0.0	36	0.4	026. 26 feet
0	0.0	110	1.4	027. 27 feet
0	0.0	156	1.9	028. 28 feet
0	0.0	2	0.0	029. 29 feet
0	0.0	7	0.1	030. 30 feet
0	0.0	4	0.0	035. 35 feet
0	0.0	6	0.1	041. 41 feet
0	0.0	10	0.1	045. 45 feet
0	0.0	1	0.0	058. 58 feet

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STRT	Prcnt	TRAC	Prcnt	Var 1024	2ND TRAILER LENGTH
0	0.0	6	0.1	995.	Unknown if 2nd trailer
4963	99.9	7611	93.6	996.	Not applicable
0	0.0	9	0.1	997.	Short
1	0.0	2	0.0	998.	Long
0	0.0	6	0.1	999.	Unknown

Variable 1025	2ND TRAILER EMPTY WEIGHT	MD1: 999999	Field Width: 6
		MD2: None	Type: Numeric

STRT	Prcnt	TRAC	Prcnt	2ND TRAILER EMPTY WEIGHT
0	0.0	2	0.0	005000.
				- . Weight in pounds
0	0.0	2	0.0	036000.
0	0.0	6	0.1	999997. Unknown if 2nd trailer
4963	99.9	7611	93.6	999998. Not applicable
1	0.0	10	0.1	999999. Unknown

Variable 1026	2ND TRAILER CARGO	MD1: 99	Field Width: 2
		MD2: None	Type: Numeric

STRT	Prcnt	TRAC	Prcnt	2ND TRAILER CARGO
1	0.0	240	3.0	01. General freight
0	0.0	0	0.0	02. Household goods
0	0.0	0	0.0	03. Metal: coils, sheets, etc
0	0.0	6	0.1	04. Heavy machinery
0	0.0	0	0.0	05. Motor vehicles
0	0.0	0	0.0	06. Driveaway/towaway
0	0.0	0	0.0	07. Gases in bulk
0	0.0	80	1.0	08. Solids in bulk
0	0.0	8	0.1	09. Liquids in bulk
0	0.0	0	0.0	10. Explosives
1	0.0	12	0.1	11. Logs/poles/lumber
1	0.0	143	1.8	12. None (empty)
0	0.0	4	0.0	13. Refrigerated food
0	0.0	0	0.0	14. Mobile home
0	0.0	17	0.2	15. Farm products
0	0.0	0	0.0	16. Other
0	0.0	6	0.1	97. Unknown if 2nd trailer
4963	99.9	7611	93.6	98. Not applicable
0	0.0	4	0.0	99. Unknown

Variable 1027 **2ND TRAILER CARGO WEIGHT** MD1: 999999 Field Width: 6
 MD2: None Type: Numeric

STRT	Prcnt	TRAC	Prcnt	2ND TRAILER CARGO WEIGHT
1	0.0	143	1.8	000000. - . Weight in pounds
0	0.0	1	0.0	095000.
0	0.0	6	0.1	999995. Unknown if 2nd trailer
4963	99.9	7611	93.6	999996. Not applicable
1	0.0	36	0.4	999997. Some cargo (weight unknown)
0	0.0	10	0.1	999998. Full cargo (weight unknown)
0	0.0	4	0.0	999999. Unknown

Variable 1028 **2ND TRAILER HAZARD CARGO** MD1: 9 Field Width: 1
 MD2: None Type: Numeric

STRT	Prcnt	TRAC	Prcnt	2ND TRAILER HAZARD CARGO
0	0.0	8	0.1	1. Hazardous cargo
3	0.1	504	6.2	2. Non-hazardous cargo
0	0.0	6	0.1	7. Unknown if 2nd trailer
4963	99.9	7611	93.6	8. Not applicable
0	0.0	2	0.0	9. Unknown

Variable 1029 **3RD TRAILER TYPE** MD1: 9 Field Width: 1
 MD2: None Type: Numeric

STRT	Prcnt	TRAC	Prcnt	3RD TRAILER TYPE
0	0.0	0	0.0	1. Semi-trailer
0	0.0	7	0.1	2. Full trailer
0	0.0	0	0.0	3. Utility trailer
0	0.0	0	0.0	4. Other
4966	100.0	8123	99.9	5. None
0	0.0	1	0.0	9. Unknown

Variable 1030 **3RD TRAILER BODY** MD1: 99 Field Width: 2
 MD2: None Type: Numeric

STRT	Prcnt	TRAC	Prcnt	3RD TRAILER BODY
0	0.0	1	0.0	00. Unknown if 3rd trailer
0	0.0	7	0.1	01. Van
0	0.0	0	0.0	02. Flatbed
0	0.0	0	0.0	03. Tank
0	0.0	0	0.0	04. Auto Carrier

STRT Prcnt	TRAC Prcnt	Var 1030	3RD TRAILER BODY
0 0.0	0 0.0		06. Dump
0 0.0	0 0.0		08. Other
4966 100.0	8123 99.9		98. Not applicable
0 0.0	0 0.0		99. Unknown

Variable 1031 3RD TRAILER NO. OF AXLES MD1: 999 Field Width: 2
MD2: None Type: Numeric

STRT Prcnt	TRAC Prcnt	3RD TRAILER NO. OF AXLES
0 0.0	7 0.1	02. 2 axles
0 0.0	0 0.0	03. 3 axles
0 0.0	0 0.0	04. 4 axles
0 0.0	1 0.0	97. Unknown if 3rd trailer
4966 100.0	8123 99.9	98. Not applicable
0 0.0	0 0.0	99. Unknown

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

STRT Prcnt	TRAC Prcnt	3RD TRAILER LENGTH
0 0.0	3 0.0	027. 27 feet
0 0.0	4 0.0	028. 28 feet
0 0.0	1 0.0	995. Unknown if 3rd trailer
4966 100.0	8123 99.9	996. Not applicable
0 0.0	0 0.0	997. Short
0 0.0	0 0.0	998. Long
0 0.0	0 0.0	999. Unknown

Variable 1033 3RD TRAILER EMPTY WEIGHT MD1: 999999 Field Width: 6
MD2: None Type: Numeric

STRT Prcnt	TRAC Prcnt	3RD TRAILER EMPTY WEIGHT
0 0.0	2 0.0	008700. - . Weight in pounds
0 0.0	1 0.0	010450.
0 0.0	1 0.0	999997. Unknown if 3rd trailer
4966 100.0	8123 99.9	999998. Not applicable
0 0.0	0 0.0	999999. Unknown

Variable 1034 **3RD TRAILER CARGO** MD1: 99 Field Width: 2
 MD2: None Type: Numeric

STRT Prcnt	TRAC Prcnt	3RD TRAILER CARGO
0 0.0	5 0.1	01. General freight
0 0.0	0 0.0	02. Household goods
0 0.0	0 0.0	03. Metal: coils, sheets, etc
0 0.0	0 0.0	04. Heavy machinery
0 0.0	0 0.0	05. Motor vehicles
0 0.0	0 0.0	06. Driveaway/towaway
0 0.0	0 0.0	07. Gases in bulk
0 0.0	0 0.0	08. Solids in bulk
0 0.0	0 0.0	09. Liquids in bulk
0 0.0	0 0.0	10. Explosives
0 0.0	0 0.0	11. Logs/poles/lumber
0 0.0	1 0.0	12. None (empty)
0 0.0	0 0.0	13. Refrigerated food
0 0.0	0 0.0	14. Mobile home
0 0.0	1 0.0	15. Farm products
0 0.0	0 0.0	16. Other
0 0.0	1 0.0	97. Unknown if 3rd trailer
4966 100.0	8123 99.9	98. Not applicable
0 0.0	0 0.0	99. Unknown

Variable 1035 **3RD TRAILER CARGO WEIGHT** MD1: 999999 Field Width: 6
 MD2: None Type: Numeric

STRT Prcnt	TRAC Prcnt	3RD TRAILER CARGO WEIGHT
0 0.0	1 0.0	000000.
		- . Weight in pounds
0 0.0	1 0.0	024000.
0 0.0	1 0.0	999995. Unknown if 3rd trailer
4966 100.0	8123 99.9	999996. Not applicable
0 0.0	1 0.0	999997. Some cargo (weight unknown)
0 0.0	0 0.0	999998. Full cargo (weight unknown)
0 0.0	0 0.0	999999. Unknown

Variable 1036 **3RD TRAILER HAZARD CARGO** MD1: 9 Field Width: 1
 MD2: None Type: Numeric

STRT Prcnt	TRAC Prcnt	3RD TRAILER HAZARD CARGO
0 0.0	0 0.0	1. Hazardous cargo
0 0.0	7 0.1	2. Non-hazardous cargo
0 0.0	1 0.0	7. Unknown if 3rd trailer
4966 100.0	8123 99.9	8. Not applicable
0 0.0	0 0.0	9. Unknown

Variable 1037 **GROSS WEIGHT** MD1: 999999 Field Width: 6
 MD2: None Type: Numeric

STRT	Prcnt	TRAC	Prcnt	GROSS WEIGHT
1	0.0	0	0.0	006000.
				- . Weight in pounds
0	0.0	1	0.0	180000.
401	8.1	505	6.2	999999. Unknown

Variable 1038 **VEHICLE COMBINATION CODE** MD1: 0 Field Width: 2
 MD2: None Type: Numeric

STRT	Prcnt	TRAC	Prcnt	VEHICLE COMBINATION CODE
15	0.3	24	0.3	00. Unknown
4504	90.7	0	0.0	01. Straight truck only
0	0.0	234	2.9	02. Bobtail tractor
265	5.3	0	0.0	03. Straight truck & full trailer
159	3.2	0	0.0	04. Straight truck & other (non-full trailer)
0	0.0	7297	89.7	05. Tractor & semi-trailer
0	0.0	38	0.5	06. Tractor & other (non-semi trailer)
0	0.0	499	6.1	07. Tractor & semi & full
0	0.0	8	0.1	08. Tractor & semi & other
0	0.0	7	0.1	09. Tractor & 3 trailers
20	0.4	24	0.3	11. Other (i.e., piggybacks, towing vehicles)
3	0.1	0	0.0	13. Straight & two trailers

Variable 1039 **NUMBER OF TRAILERS** MD1: 9 Field Width: 1
 MD2: None Type: Numeric

STRT	Prcnt	TRAC	Prcnt	NUMBER OF TRAILERS
4524	91.1	258	3.2	0. No trailer
424	8.5	7336	90.2	1. 1 trailer
3	0.1	507	6.2	2. 2 trailers
0	0.0	7	0.1	3. 3 trailers
15	0.3	23	0.3	9. Unknown

Variable 1040 **TOTAL MILES FOR THE TRIP** MD1: 9999 Field Width: 4
 MD2: None Type: Numeric

STRT Prcnt	TRAC Prcnt	TOTAL MILES FOR THE TRIP	
0 0.0	0 0.0	0000. 0 miles	- . Miles
0 0.0	0 0.0	9998. 9998 miles	
135 2.7	177 2.2	9999. Unknown	

Variable 1041 **LIMITED ACCESS DAY RURAL** MD1: 9999 Field Width: 4
 MD2: None Type: Numeric

STRT Prcnt	TRAC Prcnt	LIMITED ACCESS DAY RURAL	
4240 85.4	5345 65.7	0000. 0 miles	- . Miles
0 0.0	0 0.0	9998. 9998 miles	
188 3.8	188 2.3	9999. Unknown	

Variable 1042 **LIMIT ACC DAY SMALL URBAN** MD1: 9999 Field Width: 4
 MD2: None Type: Numeric

STRT Prcnt	TRAC Prcnt	LIMIT ACC DAY SMALL URBAN	
4586 92.3	6508 80.0	0000. 0 miles	- . Miles
0 0.0	0 0.0	9998. 9998 miles	
146 2.9	160 2.0	9999. Unknown	

Variable 1043 **LIMIT ACC DAY LARGE URBAN** MD1: 9999 Field Width: 4
 MD2: None Type: Numeric

STRT Prcnt	TRAC Prcnt	LIMIT ACC DAY LARGE URBAN	
3565 71.8	3997 49.2	0000. 0 miles	- . Miles
0 0.0	0 0.0	9998. 9998 miles	
220 4.4	274 3.4	9999. Unknown	

Variable 1044 LIMIT ACCESS NIGHT RURAL MD1: 9999 Field Width: 4
MD2: None Type: Numeric

STRT Prcnt		TRAC Prcnt		LIMIT ACCESS NIGHT RURAL	
4855	97.8	7100	87.3	0000.	0 miles
				-	. Miles
0	0.0	0	0.0	9998.	9998 miles
50	1.0	112	1.4	9999.	Unknown

Variable 1045 LMIT ACC NIGHT SM URBAN MD1: 9999 Field Width: 4
MD2: None Type: Numeric

STRT Prcnt		TRAC Prcnt		LMIT ACC NIGHT SM URBAN	
4888	98.4	7464	91.8	0000.	0 miles
				-	. Miles
0	0.0	0	0.0	9998.	9998 miles
47	0.9	107	1.3	9999.	Unknown

Variable 1046 LMIT ACC NIGHT LRG URBAN MD1: 9999 Field Width: 4
MD2: None Type: Numeric

STRT Prcnt		TRAC Prcnt		LMIT ACC NIGHT LRG URBAN	
4806	96.8	6909	85.0	0000.	0 miles
				-	. Miles
0	0.0	0	0.0	9998.	9998 miles
53	1.1	142	1.7	9999.	Unknown

Variable 1047 MAJOR ARTERY DAY RURAL MD1: 9999 Field Width: 4
MD2: None Type: Numeric

STRT Prcnt		TRAC Prcnt		MAJOR ARTERY DAY RURAL	
3086	62.1	4783	58.8	0000.	0 miles
				-	. Miles
0	0.0	0	0.0	9998.	9998 miles
293	5.9	244	3.0	9999.	Unknown

Variable 1048 MAJ ART DAY SMALL URBAN MD1: 9999 Field Width: 4
 MD2: None Type: Numeric

STRT Prcnt	TRAC Prcnt	MAJ ART DAY SMALL URBAN	
3997 80.5	5940 73.1	0000. 0 miles	
		- . Miles	
0 0.0	0 0.0	9998. 9998 miles	
226 4.6	215 2.6	9999. Unknown	

Variable 1049 MAJ ART DAY LARGE URBAN MD1: 9999 Field Width: 4
 MD2: None Type: Numeric

STRT Prcnt	TRAC Prcnt	MAJ ART DAY LARGE URBAN	
3400 68.5	5306 65.3	0000. 0 miles	
		- . Miles	
0 0.0	0 0.0	9998. 9998 miles	
263 5.3	308 3.8	9999. Unknown	

Variable 1050 MAJOR ARTERY NIGHT RURAL MD1: 9999 Field Width: 4
 MD2: None Type: Numeric

STRT Prcnt	TRAC Prcnt	MAJOR ARTERY NIGHT RURAL	
4810 96.9	7390 90.9	0000. 0 miles	
		- . Miles	
0 0.0	0 0.0	9998. 9998 miles	
63 1.3	120 1.5	9999. Unknown	

Variable 1051 MAJOR ART NIGHT SM URBAN MD1: 9999 Field Width: 4
 MD2: None Type: Numeric

STRT Prcnt	TRAC Prcnt	MAJOR ART NIGHT SM URBAN	
4858 97.8	7615 93.7	0000. 0 miles	
		- . Miles	
0 0.0	0 0.0	9998. 9998 miles	
53 1.1	120 1.5	9999. Unknown	

Variable 1052 **MAJ ART NIGHT LRG URBAN** MD1: 9999 Field Width: 4
 MD2: None Type: Numeric

STRT Prcnt		TRAC Prcnt		MAJ ART NIGHT LRG URBAN	
4817	97.0	7515	92.4	0000.	0 miles
				-	. Miles
0	0.0	0	0.0	9998.	9998 miles
57	1.1	135	1.7	9999.	Unknown

Variable 1053 **OTHER DAY RURAL** MD1: 9999 Field Width: 4
 MD2: None Type: Numeric

STRT Prcnt		TRAC Prcnt		OTHER DAY RURAL	
3265	65.7	6468	79.5	0000.	0 miles
				-	. Miles
0	0.0	0	0.0	9998.	9998 miles
316	6.4	263	3.2	9999.	Unknown

Variable 1054 **OTHER DAY SMALL URBAN** MD1: 9999 Field Width: 4
 MD2: None Type: Numeric

STRT Prcnt		TRAC Prcnt		OTHER DAY SMALL URBAN	
4123	83.0	7137	87.8	0000.	0 miles
				-	. Miles
0	0.0	0	0.0	9998.	9998 miles
244	4.9	230	2.8	9999.	Unknown

Variable 1055 **OTHER DAY LARGE URBAN** MD1: 9999 Field Width: 4
 MD2: None Type: Numeric

STRT Prcnt		TRAC Prcnt		OTHER DAY LARGE URBAN	
2938	59.2	5022	61.8	0000.	0 miles
				-	. Miles
0	0.0	0	0.0	9998.	9998 miles
289	5.8	333	4.1	9999.	Unknown

Variable 1056 **OTHER NIGHT RURAL** MD1: 9999 Field Width: 4
 MD2: None Type: Numeric

STRT Prcnt	TRAC Prcnt	OTHER NIGHT RURAL	
4855 97.8	7838 96.4	0000. 0 miles	
		- . Miles	
0 0.0	0 0.0	9998. 9998 miles	
59 1.2	116 1.4	9999. Unknown	

Variable 1057 **OTHER NIGHT SM URBAN** MD1: 9999 Field Width: 4
 MD2: None Type: Numeric

STRT Prcnt	TRAC Prcnt	OTHER NIGHT SM URBAN	
4889 98.4	7902 97.2	0000. 0 miles	
		- . Miles	
0 0.0	0 0.0	9998. 9998 miles	
51 1.0	114 1.4	9999. Unknown	

Variable 1058 **OTHER NIGHT LRG URBAN** MD1: 9999 Field Width: 4
 MD2: None Type: Numeric

STRT Prcnt	TRAC Prcnt	OTHER NIGHT LRG URBAN	
4798 96.6	7526 92.6	0000. 0 miles	
		- . Miles	
0 0.0	0 0.0	9998. 9998 miles	
59 1.2	136 1.7	9999. Unknown	

Variable 1059 **SPECIFIC LARGE URBAN** MD1: 99 Field Width: 2
 MD2: None Type: Numeric

STRT Prcnt	TRAC Prcnt	SPECIFIC LARGE URBAN	
3944 79.4	6118 75.2	00. None	
136 2.7	274 3.4	01. Boston	
53 1.1	181 2.2	02. Chicago	
41 0.8	35 0.4	03. Denver	
42 0.8	45 0.6	04. Nashville	
25 0.5	228 2.8	05. Newark	
66 1.3	155 1.9	06. New York	
94 1.9	182 2.2	07. Philadelphia	
40 0.8	26 0.3	08. Reno	
63 1.3	66 0.8	09. Seattle	
21 0.4	14 0.2	10. Tucson	
104 2.1	99 1.2	11. Washington, D.C.	

STRT Prcnt		TRAC Prcnt		Var 1059	SPECIFIC LARGE URBAN
78	1.6	46	0.6	12.	San Diego
134	2.7	331	4.1	13.	Los Angeles
84	1.7	209	2.6	14.	San Francisco
16	0.3	84	1.0	15.	Sacramento
25	0.5	38	0.5	99.	Unknown

Variable 1060 **ANNUAL MILE FACTOR** MD1: None Field Width: 6
 MD2: None Type: Numeric
 Implied Dec Places: 3

STRT Prcnt		TRAC Prcnt		ANNUAL MILE FACTOR	
4516	90.9	7312	89.9	091.25	4 trip responses
357	7.2	530	6.5	121.67	3 trip responses
56	1.1	168	2.1	182.50	2 trip responses
37	0.7	121	1.5	365.00	1 trip response

Variable 1061 **ODOMETER ADJUSTMENT** MD1: None Field Width: 6
 MD2: None Type: Numeric
 Implied Dec Places: 3

Variable 1062 **FINAL TRIP WEIGHT** MD1: None Field Width: 9
 MD2: None Type: Numeric

APPENDIX

TABLE 1
FRAME TOTALS AND SAMPLE SIZE

State	Straight Trucks		Tractors		Unknown	
	Frame	Sample	Frame	Sample	Frame	Sample
Alabama	42,481	56	29,140	91	1	0
Arizona	12,144	30	9,679	60	1	0
Arkansas	27,699	37	23,409	73	--	--
California	38,318	51	79,238	495	--	--
Colorado	30,980	41	18,211	60	--	--
Connecticut	14,625	30	11,793	60	96	2
Delaware	6,146	30	6,926	60	--	--
D.C.	600	30	487	60	--	--
Florida	59,137	78	63,306	198	2	0
Georgia	50,787	67	33,023	103	6,263	125
Idaho	11,289	30	11,512	60	46	1
Illinois	82,648	109	88,942	278	2	0
Indiana	61,777	82	61,554	192	2	0
Iowa	43,429	58	40,125	125	94	2
Kansas	82,622	109	29,544	92	--	--
Kentucky	56,651	75	22,168	69	--	--
Louisiana	32,699	43	29,211	91	3	0
Maine	12,501	30	7,715	60	1	0
Maryland	29,120	38	19,701	61	20	0
Massachusetts	28,974	38	27,073	85	13	0
Michigan	34,886	46	40,135	314	--	--
Minnesota	63,353	84	41,399	129	11	1
Mississippi	21,592	30	21,042	66	968	18
Missouri	56,462	75	33,946	106	--	--
Montana	25,214	33	11,482	60	8	0
Nebraska	43,255	57	24,590	77	18	1
Nevada	5,443	30	4,070	60	--	--
New Hampshire	5,992	30	6,607	60	1	0
New Jersey	30,148	40	45,161	141	1	0
New Mexico	13,626	30	11,719	60	--	--
New York	61,296	81	55,720	174	--	--
North Carolina	64,948	86	47,610	149	--	--
North Dakota	51,749	69	13,899	60	--	--
Ohio	68,867	91	75,247	235	3	0
Oklahoma	--	--	--	--	--	--
Oregon	18,848	30	22,567	70	--	--
Pennsylvania	71,012	94	66,994	209	--	--
Rhode Island	4,133	30	4,199	60	1	0
South Carolina	20,639	30	15,857	60	--	--
South Dakota	21,630	30	10,264	60	1	0
Tennessee	36,651	48	30,231	94	1	0
Texas	90,870	120	115,555	361	3	0
Utah	13,455	30	13,496	60	--	--
Vermont	5,269	30	3,732	60	--	--
Virginia	45,272	60	29,983	93	--	--

State	Straight Trucks		Tractors		Unknown	
	Frame	Sample	Frame	Sample	Frame	Sample
Washington	26,786	35	22,615	71	2	0
West Virginia	13,173	30	9,359	60	--	--
Wisconsin	42,529	56	36,917	115	10	0
Wyoming	9,297	30	10,741	60	21	0
Total	1,691,022	2497	1,437,894	5497	7,593	150

TABLE 2
PTYP UNKNOWN ADJUSTMENT (V126)

Stratum	N	Adjustment Factor
Make A, Pre '73, Straight Body, Straight stratum ^a	1000	1.126
Make B, Pre '73, Straight Body, Straight stratum	31	1.048
Make A, Post '72, Straight Body, Straight stratum	978	1.109
Make B, Post '72, Straight Body, Straight stratum	56	1.118
Make B, Pre '73, Tractor Body, Straight stratum	3	1.413
Make B, Post '72, Tractor Body, Straight stratum	13	1.088
Make A, Pre '73, Straight Body, Tractor stratum	369	1.157
Make B, Pre '73, Straight Body, Tractor stratum	135	1.097
Make A, Post '72, Straight Body, Tractor stratum	1201	1.131
Make B, Post '72, Straight Body, Tractor stratum	294	1.159
Make A, Pre '73, Tractor Body, Tractor stratum	274	1.188
Make B, Pre '73, Tractor Body, Tractor stratum	191	1.180
Make A, Post '72, Tractor Body, Tractor stratum	1014	1.177
Make B, Post '72, Tractor Body, Tractor stratum	1018	1.135
Make A, Pre '73, Straight Body, Unknown stratum	57	1.453
Make A, Post '72, Straight Body, Unknown stratum	12	1.339

^aVehicle makes were grouped into those considered likely to be primarily tractors (Group B), and those considered to be mixed tractors and straight trucks (Group A). Straight Body and Tractor Body come from R. L. Polk body type variable in the vehicle registration lists. Straight, tractor, and unknown strata are the UMTRI-generated assignments of power unit type made prior to sampling.

Make Group A:

Autocar
Chevrolet
Diamond Reo
Dodge
Ford
GMC
IHC
Mercedes
Volvo
FWD
Oshkosh
IVECO
Unknown

Make Group B:

Brockway
Freightliner
Kenworth
Mack
Marmon
Peterbilt
White
Western Star

TABLE 3
FRAME ADJUSTMENT (V125)

Stratum	N	Adjustment Factor
Pre '73, class 3-5 and unknown straight	448	1.150
Pre '73, class 6 straight	706	1.106
Pre '73, class 7 straight	136	1.089
Pre '73, class 8 straight	321	1.111
Post '72, class 3-5 and unknown straight	83	1.010
Post '72, class 6 straight	948	1.021
Post '72, class 7 straight	551	1.021
Post '72, class 8 straight	665	1.027
Pre '73, class 3-5 and unknown tractor	7	1.249
Pre '73 class 6 tractor	32	1.221
Pre '73, class 7 tractor	52	1.116
Pre '73, class 8 tractor	358	1.209
Post '72, class 3-5 and unknown tractor	10	1.000
Post '72, class 6 tractor	81	1.020
Post '72, class 7 tractor	217	1.016
Post '72, class 8 tractor	2031	1.016

TABLE 4
NON-CONTACT ADJUSTMENT (V127)

Stratum	N	Adjustment Factor
Pre '73, class 3-5 straight	371	1.037
Pre '73, class 6 and unknown straight	743	1.030
Pre '73, class 7 straight	132	1.027
Pre '73, class 8 straight	306	1.050
Post '72, class 3-5 straight	65	1.045
Post '72, class 6 and unknown straight	924	1.044
Post '72, class 7 straight	517	1.060
Post '72, class 8 straight	646	1.032
Pre '73, class 3-6 tractor	35	1.023
Pre '73, class 7 tractor	50	1.020
Pre '73, class 8 and unknown tractor	342	1.054
Post '72, class 3-6 tractor	88	1.013
Post '72, class 7 tractor	209	1.038
Post '72, class 8 and unknown tractor	1877	1.084

TABLE 5
TRIP NON-RESPONSE ADJUSTMENT (V129)

Stratum	N	Adjustment Factor
Pre '73, class 3-5 straight	371	1.083
Pre '73, class 6 and unknown straight	743	1.049
Pre '73, class 7 straight	132	1.191
Pre '73, class 8 straight	306	1.105
Post '72, class 3-5 straight	65	1.120
Post '72, class 6 and unknown straight	924	1.108
Post '72, class 7 straight	517	1.079
Post '72, class 8 straight	646	1.060
Pre '73, class 3-6 tractor	35	1.024
Pre '73, class 7 tractor	50	1.022
Pre '73, class 8 and unknown tractor	342	1.067
Post '72, class 3-6 tractor	88	1.010
Post '72, class 7 tractor	209	1.033
Post '72, class 8 and unknown tractor	1877	1.073

TABLE 6
ODOMETER ADJUSTMENT (V1061)

Stratum	N	Adjustment Factor
Straight Trucks:		
Pre '73, class 3-6 and unknown	2483	1.631
Pre '73, class 7 & 8	1402	1.556
'73-'78, class 3-6 and unknown	1686	1.691
'73-'78, class 7 & 8	2461	1.304
Post '78, class 3-6 and unknown	824	1.206
Post '78, class 7 & 8	2579	1.199
Tractors:		
Pre '73	1958	1.772
'73-'80 Cabover	3861	1.408
'73-'80 Non-Cabover	5199	1.460
Post '80 Cabover	1302	1.301
Post '80 Non-Cabover	1529	1.343

TABLE 7
NTTIS WEIGHTS

Name	N	Range	
		Min.	Max.
Final Contact Weight (V128)	6305	9.693	1360.177
Final Trip Weight, Truck File (V130)	4789	10.307	2297.768
Straight Trucks:			
Final Trip Weight, Trip File (V1062)	4966	1173	1248629
Tractors:			
Final Trip Weight, Trip File (V1062)	8131	1394	324170