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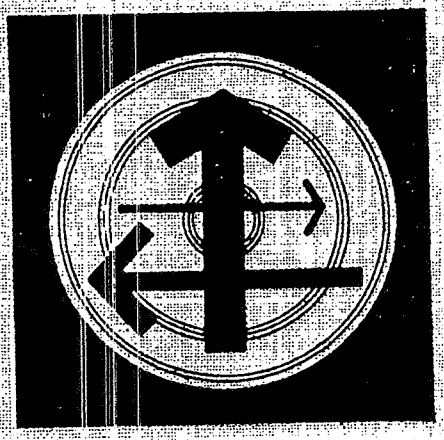
Vol. II



TRUCK INVENTORY AND USE SURVEY

U.S. DEPARTMENT OF COMMERCE
Bureau of the Census

1967 CENSUS OF TRANSPORTATION

Volume II

TRUCK INVENTORY and USE SURVEY

July 1970

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TRANSPORTATION DIVISION

Donald E. Church, Chief

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Advice on sampling and other technical statistical aspects was provided in the Statistical Research Division by **Max Bershad,** Assistant Chief.

Planning, procedures, programing, and control operations were performed in the Systems Division under the direction of **Sol Dolleck,** Chief, and **Betty S. Mitchell,** Assistant Division Chief; **Don L. Coffey,** Chief, Methods, Procedures, and Quality Control Branch; **Harold V. Edwards** and **Chester C. Fulton,** processing procedures; **Evelyn G. Jett, Mary E. Brady,** and **Mary E. Childs,** EAM procedures; **Desmond J. Carron,** Chief, Programing Branch; **Edna J. Foust,** planning and programing; **James R. Pepal,** Chief, Processing Coordination Branch; and **Percy R. Moore,** processing coordinator.

Mailing and data correction operations were performed in Processing Division under the direction of **M. Douglas Fahey,** Chief, and **E. Richard Bourdon,** Assistant Division Chief; **Dorothy L. Brown,** Chief, Input Branch; **Willie A. McMurry,** Chief, Punch Section; and **Gladys L. Tinsley,** punch supervisor.

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Preface

The census of transportation, together with the censuses of business, manufactures, and mineral industries, comprise the economic census program of the Bureau of the Census. This program is required by law under Title 13 of the United States Code, sections 131 and 224. The present economic census collects statistics for the year 1967. Future censuses are scheduled by law for 5-year intervals.

A large segment of transportation data is available from regulatory and other government agencies, and private organizations. For that reason, the statutory provisions concerning the census of transportation directed the Bureau to collect the kinds of data that were not publicly available from other sources. The objective was to avoid duplication and fill important gaps in transportation information.

The census of transportation was undertaken for the first time on a National basis in 1963. The 1967 census was taken under three separate surveys—National Travel, Truck Inventory and Use, and Commodity Transportation, each on a sample basis. The surveys are independent of each other and the results are published in three distinct series of reports.

1967 Census of Transportation Publication Program

The 1967 Census of Transportation is comprised of three major surveys. Each survey, described below, was conducted separately and independently.

National Travel Survey

The National Travel Survey is concerned with the volume and characteristics of travel by residents of the United States during the year 1967. The survey consists of a nationwide probability sample of about 18,000 households who reported quarterly by mail. The data show the estimated number of households in which some one took one or more trips, persons who took at least one trip, person-trips, person-nights, and person-miles. Data are shown by such travel characteristics as means of transport, purpose of trip, duration of trip, distance, size of party, type of lodging, origin and destination regions, and by such household characteristics as family income level, occupation and education of household head, and age of traveler.

Final data are included in volume I of the 1967 Census of Transportation.

Truck Inventory and Use Survey

This survey presents data on the Nation's truck resources, other than vehicles owned by Federal, State, and local government agencies. The survey consists of a probability sample of motor truck licenses in each of the 50 States and the District of Columbia. The data show the number of trucks and tractor-trailer combinations, truck-miles, and average miles per truck, by such characteristics as major use, body type, body size, vehicle-size class, year model, type of fuel, range of operation, vehicle type and axle arrangement, products carried, and maintenance.

Final data for each of the 50 States, the District of Columbia, the nine geographic divisions, and the United States as a whole, are contained in volume II of the 1967 Census of Transportation.

Commodity Transportation Survey

This survey presents data on the transportation and geographic distribution of commodities shipped intercity by the industrial sector of the United States. A probability sample of about 1.4 million bills of lading or other shipping documents was selected from the files of approximately 13,000 manufacturers throughout the country representing the universe of about 100,000 plants with total employment of 20 or more employees. The data are classified by (1) shipper groups and shipper classes, (2) geographic areas, such as production areas, geographic divisions, and selected States, and (3) commodity groups. Data are shown for tons and ton-miles by means of transport, length of haul, commodity, weight, origin and destination areas, size of plant based on total employment, and availability of transport facilities. Percentage distributions of shipments by means of transport, distance shipped, and availability of transportation facilities are also presented for smaller manufacturing establishments.

Final data are presented in volume III of the 1967 Census of Transportation which includes separate sections for shipper groups, geographic areas, and commodity groups.

Introduction

SCOPE OF SURVEY

The Truck Inventory and Use Survey was undertaken specifically to obtain data on the characteristics and use of commercial and private trucks in the 50 States and the District of Columbia. The number of private and commercial truck registrations (or licenses) has long been a measure of the Nation's truck inventory and the growth of trucking resources. All vehicles must be licensed as a prerequisite for operation on public roads and truck registration data, issued annually by State motor vehicle authorities, have been compiled and published by the Bureau of Public Roads for many years.[1] However, since registration records do not supply essential information about the characteristics and uses of vehicles, the Bureau of the Census was authorized to obtain information needed to fill this gap. Truck registrations for 1967, as published by the Bureau of Public Roads, were adopted as the best measure of *Total* truck inventory--the "universe." The results of the Census Bureau survey, based on a sample of truck registrations, were used to distribute that universe by the various classifications shown in the tables of this report.

Some classes of property-carrying vehicles are not included in this survey. Probably the largest class of those excluded consists of vehicles owned by Federal, State, and local government agencies. Another class, usually called off-highway vehicles, includes vehicles such as logging trucks that operate solely on company property, farm trucks that are not driven off the farm, and material-handling equipment used around a factory. These off-highway vehicles are not required to be licensed. They were excluded principally because no feasible method has been found to locate and enumerate them. The remaining major class of vehicle not counted in this survey was the trailing unit (semitrailer or full trailer).

"TRUCK" AS A UNIT OF MEASURE

The term "truck" in this report is used in its commonly accepted sense as being a property-carrying motor vehicle used on public highways and streets. In a technical sense, a truck may be a single-unit truck or it may be a combination. The latter consists of a power unit (a truck-tractor) and one or two trailing units (most commonly a semitrailer). The most frequently used combination is popularly referred to as a tractor-semitrailer or a tractor-trailer.

[1]See *Highway Statistics,* table MV-1, published annually by the Bureau of Public Roads. Because registration practices and the timing of reregistration cycles differ greatly among the States, the Bureau of Public Roads adjusts information obtained from the various State authorities to achieve maximum comparability among States.

"TRUCK-MILES" AS A UNIT OF MEASURE

The owner of each truck in the sample was asked to report the total miles that the specified vehicle had been driven during the preceding 12 months. These estimated mileages are attributed to the *State of registration,* irrespective of the area in which the vehicle was actually operated. This assignment of aggregate miles to State of registration, doubtless, is one of the major causes of State-to-State differences in average miles per truck.

SURVEY METHOD

The Truck Inventory and Use Survey at the national level was based on a stratified probability sample of about 120,000 trucks[2] drawn from roughly 15 million registrations on file with motor vehicle departments in the 50 States and the District of Columbia.

The first stratification of the national sample was at the State level, and consisted of three strata based on the total number of trucks registered annually. A sample of about 1,500 truck licenses or registrations was drawn in the small States, 3,000 in the intermediate, and 4,500 in the largest States. (See appendix A for a listing of States by sample size.)

The second stratification was based on vehicle size as shown by the motor vehicle registration record. Two vehicle size strata were used—"small" and "large."[3] The dividing line between small and large trucks differed from State to State, depending upon the basis used for indicating vehicle size in the registration records. Customary random sampling procedures were used to draw the sample from each of the two strata in each State. (See appendix A for further description of the second stratification.)

The samples were drawn shortly after the close of the annual reregistration data in each State in order to have a "live" list of license numbers and related mailing addresses. Since the timing of the reregistration cycle differs from State to State, two inventory dates were used–April 1 and July 1, 1967.

A copy of form TC-200 was mailed to the owner of each truck drawn in the sample. The vehicle was identified on the form, prior to mailing, by inserting in item 1 (vehicle identification), the vehicle make, year model, registered weight, and license number shown on the motor vehicle registration record. The owner was requested to reply only for the identified truck or combination irrespective or other vehicles he may have owned at the inventory date. The sample was expanded back to the State level by multiplying each truck by the reciprocal of the sampling rate used to select it from the universe of State vehicle registration records.

COMPARISONS WITH 1963 REPORT

Although the basic purpose and scope of the 1963 and 1967 surveys were essentially identical, some changes were introduced in 1967 that unavoidably make comparisons difficult.

[2]Technically, the licenses or registrations sampled were those for single-unit trucks and for truck-tractors. Registrations for trailers or other nonpowered property-carrying highway vehicles were either not sampled, or (if not recognized in advance) were treated as "out of scope" in the subsequent processing.

[3]The terms "small" and "large" were used only in connection with stratification and should not be confused with the vehicle size classes shown in the tabulations.

Some questions asked in 1963 were dropped in 1967, and a few new items were added. On the basis of the 1963 experience, it was also found that many of the types of facts needed for large trucks were not needed for small trucks, such as pickups and panels. Furthermore, the wording or sequence of a few questions in 1963 appeared to have been misleading, especially with regard to occupational use and number of axles. In order to simplify and reduce the reporting effort and clarify the intent of several questions, substantial modifications were made in the sequence of items, appearance of the form, and the precise wording of some questions.

Analyses indicate that many of the differences between 1963 and 1967 appear to be attributable to technical factors of the type mentioned above, although some may reflect significant changes in the "real world." Some of the differences also may be explained by sampling variability, discussed below.

A special study will be undertaken to analyze more deeply the major significant changes from 1963 to 1967, based on special retabulations of the 1963 tapes to achieve comparability, insofar as feasible, with 1967 published data.

A new series of tables was introduced in 1967 based on truck-miles and since 1963 data were not tabulated for truck-miles, comparisons between the two years for this item cannot be made.

DEFINITIONS OF MAJOR TERMS

Most of the terms shown in the tables are self-explanatory; however, some require further definition as follows:

Size class is the standard classification used for all States and consists of the following:

Light.--Gross vehicle weight of 10,000 pounds or less,
Medium.--Gross vehicle weight of 10,001 to 20,000 pounds,
Light-heavy.--Gross vehicle weight of 20,001 to 26,000 pounds,
Heavy-heavy.--Gross vehicle weight of 26,001 pounds or more.

Trucks in States that require motor vehicle registration by gross vehicle weight (that is, the sum of the total weight of the vehicle and the maximum weight it is designed to carry) were assigned to a size-class category on that basis. Trucks in States that require motor vehicle registration on any other basis, such as empty weight, tons-rated capacity, or axle weight, or on more than one basis, were assigned to a size-class category on the basis of the characteristics of the truck as reported by the truck owner. See appendix A for a list of States showing registration requirements and the method used for classifying trucks in non-GVW States into one of the four size-class categories.

Major use is based on the answer to the question, "How was the vehicle mostly used during the past 12 months?" Each of the 10 use categories (see item 7 of the survey form, appendix B) conforms with the generally accepted meaning of the terms, although two of them were defined in detail. Those two were "personal transportation" and "for-hire transportation." Since "short-term lease" (see item 6 of the survey form) could not be assigned to any single one of the 10 major use categories, it was treated as an additional use category.

Truck fleet size is based on the number of trucks (single-unit trucks plus truck-tractors) operated by a truck owner from a *single* base of operation as reported in items 4 and 5 of the survey form in appendix B. The fleet is an *operational* unit and is necessarily smaller than the total fleet that an owner has, if he operates from more than one base. The data shown in the fleet section of tables are based on the number of trucks found in fleets of specified size and *not the number of fleets.*

Range of operation is classified into three categories:

Local.—Range is the local area (in or around the city and suburbs, or within a short distance of the farm, factory, mine, or place the vehicle is stationed).

Short range.—Range is mostly beyond the local area, over the road, but usually not more than 200 miles one way to the most distant stop from the place the vehicle is stationed.

Long range.—Range is mostly over-the-road trips that usually are more than 200 miles one way to the most distant stop from the place the vehicle is stationed.

Truck-miles are based on the answer to item 10a of the survey form in appendix B, "What were the total miles this vehicle was driven during the past 12 months (if less than 12 months, estimate probable miles for year)." Mileage was reported for about 90 percent of the total vehicles. A computer program was used to estimate and assign a reasonable annual mileage to each of the vehicles for which this item was not reported. The imputed figure for each of these vehicles was based on the average miles reported for similar vehicles in the same State of registration. The similarity was based on the following combination of characteristics: Major use class, type of vehicle, area of operation, and age (based on year model).

SAMPLING VARIABILITY

Definition.—The percentage distributions shown in this report are based on a sample and are, therefore, subject to sampling variability. The term "sampling variability" refers to the differences that would be expected between results of a sample survey and the results that would have been obtained from a complete enumeration of all vehicles. The chances are about 2 out of 3 that the reported figures (column 1 in the illustration below) will not differ from the figures that would have been obtained from a complete count by more than the sampling variability (column 2).

Item	Percent of total trucks (1)	Sampling variability (percent) (2)
MAJOR USE		
Personal transportation.....	33.6	0.3
Agriculture.....	24.1	.2
Construction.....	9.3	.2

For example, 33.6 percent of all trucks in the illustration above (column 1) are used for personal transportation. This figure is based on the sample. Column 2 shows that the estimated sampling variability for that item is 0.3 percent. Therefore, if a complete count (rather than a sample) had been taken, the chances are about 2 out of 3 that the figure would not have been larger than 33.9 or smaller than 33.3 (that is, 33.6 ± 0.3) in a complete enumeration.

The chances are about 19 out of 20 that the results of a complete enumeration would not differ from the sample by more than twice the estimated sampling variability shown. Again taking "personal transportation" as an example, the chances are 19 out of 20 that the figure (33.6) would not be more than 34.2 or less than 33.0 (33.6 ± 0.6) in a complete enumeration.

Sampling variability tables are shown for the United States, each geographic division, and each State preceding the general tables for each area.

Difference between two items.—The question sometimes arises about the sampling variability of the difference between two specified percentages. The variability of the difference, for most pairs of percentages, will be close to the square root of the sum of squares of the sampling variability of the two items. (When the two percentages are negatively correlated, the variability of the difference will be larger; and when positively correlated, will be smaller.)

To illustrate by a simple example: Assume that item "A" is 10.2 percent and item "B" is 7.1 percent of the total, and the question is raised as to what the difference would have been if a complete count had been taken. Assume that the sampling variability for item "A" was 0.4 and for item "B" was 0.8. The square root of the sum of the squared sampling variabilities of the two items would be $\sqrt{(0.4)^2 + (0.8)^2}$ which is ±0.9.

As indicated in the example, the difference shown by the sample was 3.1 percent and the variability was 0.9. This would be interpreted to mean that the chances are about 2 out of 3 that the difference between "A" and "B" as shown by a complete enumeration would be between 2.2 percent and 4.0 percent (3.1 ± 0.9); and the chances are 19 out 20 that the difference would be between 1.3 percent and 4.9 percent (3.1 ± 1.8).

This procedure applies equally to differences between items within a single division as well as to differences between similar items in different divisions.

Variability for items not shown.—The sampling variability tables in this report are confined to selected major items covered in the survey with respect to estimates of the percentage distributions of *number of trucks.* The sampling variability of subitems tends to be substantially larger than for the major items with which they are associated. Sampling variability of estimates of truck-miles was not computed, but would be larger than the variability shown for the corresponding estimate of the number of trucks.

NON-SAMPLING ERRORS

Systematic quality-control techniques were used to minimize processing errors, and the rate of response was high. Replies were received for 96 percent of the trucks drawn in the sample. The response rate was almost as high for most of the major questions. The general quality of response also was good, as judged by the consistency among answers to various items on the form and the apparent reasonableness of replies.

However, the classification of vehicles into major occupational uses apparently proved to be difficult for owners of pickup trucks and other general-purpose vehicles. For example, pickup trucks often are used concurrently for two or more purposes and may not have any single major purpose: A farmer may use a pickup truck in place of an automobile (i.e., personal transportation) and to do odd hauling or chores around the farm (i.e., agriculture); or an electrician may use it to go from home to shop or to job site (i.e., personal transportation) and to transport tools and supplies needed at the site (i.e., services).

South Dakota

Contents

		Page
	Summary of Findings	606
	Sampling Variability Table	606
TABLE 1.	ALL TRUCKS: Percent Distribution of Major Use Classes, by Vehicle and Operational Characteristics: 1967	607
2.	ALL TRUCKS: Percent Distribution of Size Classes, by Vehicle and Operational Characteristics: 1967	608
3.	ALL TRUCKS: Percent Distribution of Annual Mileage Classes, by Vehicle and Operational Characteristics: 1967	609
4.	TRUCKS EXCEPT PICKUP AND PANEL: Percent Distribution of Ranges of Operation, by Vehicle and Operational Characteristics: 1967	610
5.	TRUCKS EXCEPT PICKUP AND PANEL: Percent Distribution of Truck Types and Axle Arrangements, by Vehicle and Operational Characteristics: 1967	611

SUMMARY OF FINDINGS

Pickups and panels make up about 72 percent of all private and commercial trucks in South Dakota. This type of truck accounts for 71 percent of trucks used in agricultural activities, 60 percent used in construction, and virtually all vehicles used for personal transportation. The second most common truck in South Dakota is the platform (including cattle rack). Platform trucks, like pickups, are general-purpose vehicles and have a variety of uses.

More than 50 percent of all trucks in South Dakota were driven less than 6,000 miles and over 70 percent were driven less than 10,000 miles. In general, the heavier trucks are driven more than light trucks. More than half of the heavy-heavy trucks were driven 30,000 miles or more, as contrasted with 1.2 percent of the light trucks.

SAMPLING VARIABILITY OF DATA

Data are based on a probability sample and are subject to sampling variability. The term "sampling variability" refers to the differences that would be expected between results of a sample survey and results that would have been obtained from a complete enumeration of all vehicles. A more complete description of sampling variability is included in the "Introduction" to this report. Estimates of sampling variability for this State are as follows:

Item	Percent of total trucks[1] (1)	Sampling variability[2] (2)
MAJOR USE		
Personal transportation	25.3	1.6
Agriculture	51.7	2.0
Construction	5.7	1.0
Wholesale and retail	6.8	.9
Utilities and services	3.8	.6
For hire	2.2	.3
All other	4.5	-
BODY TYPE		
Pickup and panel	72.2	.8
Platform and cattle rack	18.3	.9
Vans	1.8	.2
Dump	1.7	.3
Tank	2.0	.2
All other	4.0	-
SIZE CLASS		
Light	77.1	.8
Medium	14.0	.8
Light-heavy	5.0	.4
Heavy-heavy	3.9	.4
ANNUAL MILES		
Less than 6,000 miles	50.5	1.7
6,000 to 9,999 miles	19.8	1.8
10,000 to 19,999 miles	20.9	2.0
20,000 to 29,999 miles	4.9	.9
30,000 miles and over	3.9	.4
YEAR MODEL		
1966 and 1967	12.1	1.4
1964 and 1965	11.8	1.1
1960 to 1963	26.5	2.1
Pre-1960	49.6	1.7

Item	Percent of total trucks[1] (1)	Sampling variability[2] (2)
ACQUISITION		
Purchased new	42.7	1.7
Purchased used	54.6	1.7
Leased and not reported	2.7	-
TRUCK FLEET SIZE		
1 truck	52.1	2.3
2 to 5 trucks	24.4	1.7
6 to 19 trucks	4.6	.4
20 trucks or more	2.1	.4
Not reported	16.8	-
VEHICLE TYPE[3]		
Single-unit trucks	90.6	-
2 axle	77.5	1.8
3 axle	13.1	1.5
Combinations	9.4	-
3 axle	1.0	.3
4 or more axles	8.4	1.1
RANGE OF OPERATION[3]		
Local	80.2	2.4
Short range	13.2	1.8
Long range	3.5	.8
Not reported	3.1	-
TYPE OF FUEL[3]		
Gasoline	92.2	1.0
Diesel and LPG	5.4	.5
Not reported	2.4	-
MAINTENANCE[3]		
Self or own repair shop	38.7	2.9
Dealer or factory branch	21.6	1.9
Independent garage	37.5	2.7
All others and not reported	2.2	-

[1]As estimated from the sample.
[2]See "Introduction" for discussion of sampling variability.
[3]"Percent of total trucks" is based on percent of total trucks except pickups and panels; all other percentages are based on total trucks including pickups and panels.

TABLE 1. ALL TRUCKS: Percent Distribution of Major Use Classes, by Vehicle and Operational Characteristics: 1967

Vehicle and operational characteristics	Total	Major use class[1]				
		Personal transportation	Agriculture	Construction	Wholesale and retail trade	For hire
Total trucks	*100.0*	*100.0*	*100.0*	*100.0*	*100.0*	*100.0*
BODY TYPE						
Pickup and panel	72.2	95.7	70.9	59.6	47.5	8.7
Platform and cattle rack	18.3	3.1	27.0	13.4	14.1	35.0
All vans	1.8	.7	-	.2	13.9	37.1
Dump trucks	1.7	-	-	18.3	.2	2.8
Tank trucks	2.0	-	.5	1.6	15.1	9.8
All other	4.0	.5	1.6	6.9	9.2	6.6
SIZE CLASS						
Light	77.1	98.1	76.1	60.4	54.3	8.7
Medium	14.0	.9	19.9	9.5	23.5	23.1
Light-heavy	5.0	.9	2.6	16.1	15.0	16.8
Heavy-heavy	3.9	.1	1.4	14.0	7.2	51.4
ANNUAL MILES						
Less than 6,000 miles	50.5	60.9	54.9	17.7	36.8	9.1
6,000 to 9,999 miles	19.8	21.5	17.6	23.3	15.8	10.5
10,000 to 19,999 miles	20.9	13.5	21.7	28.7	31.7	20.0
20,000 to 29,999 miles	4.9	3.9	3.9	18.2	7.8	6.3
30,000 miles or more	3.9	.2	1.9	12.1	7.9	54.1
TRUCK FLEET SIZE						
1 truck	52.1	70.3	54.5	21.3	29.0	26.3
2 to 5 trucks	24.4	7.1	26.5	33.5	46.1	30.1
6 to 19 trucks	4.6	-	1.1	21.8	16.7	17.5
20 trucks or more	2.1	-	-	19.0	.9	24.5
Not reported[2]	16.8	22.6	17.9	4.4	7.3	1.6
YEAR MODEL						
1966 and 1967	12.1	8.7	11.8	21.3	15.5	25.5
1964 and 1965	11.8	11.0	10.7	23.2	14.6	22.4
1962 and 1963	16.3	19.9	13.8	13.9	16.4	9.1
1960 and 1961	10.2	7.0	11.0	11.8	15.4	7.7
1958 and 1959	8.3	7.1	9.1	5.9	12.5	14.0
Pre-1958	41.3	46.3	43.6	23.9	25.6	21.3
ACQUISITION						
Purchased new	42.7	30.5	43.8	51.4	55.2	60.7
Purchased used	54.6	67.1	54.0	44.8	43.8	24.5
Leased or not reported	2.7	2.4	2.2	3.8	1.0	14.8

[1]The distrubition of trucks by major use class is--

	(thousands)	(percent)		(thousands)	(percent)
Total trucks	115	100.0	Wholesale and retail trade	8	6.8
Personal transportation	29	25.3	Utilities and services	4	3.8
Agriculture	59	51.7	For hire	3	2.2
Construction	7	5.7	All other	5	4.5

[2]The bulk of these trucks probably belong to owners of single trucks; some fleet owners were not able to provide easily the information about size of fleet at the "home base."

TABLE 2. ALL TRUCKS: Percent Distribution of Size Classes, by Vehicle and Operational Characteristics: 1967

Vehicle and operational characteristics	Total	Vehicle size class[1]			
		Light	Medium	Light-heavy	Heavy-heavy
Total trucks	*100.0*	*100.0*	*100.0*	*100.0*	*100.0*
MAJOR USE					
Personal transportation	25.3	32.1	1.7	4.6	-
Agriculture	51.7	51.0	73.6	27.3	17.1
Construction	5.7	4.5	3.9	18.6	20.9
Wholesale and retail trade	6.8	4.8	11.4	20.4	12.5
Utilities and services	3.8	3.9	3.4	6.0	2.0
For hire	2.2	.2	3.7	7.6	30.6
All other	4.5	3.5	2.3	15.5	16.9
BODY TYPE					
Pickup and panel	72.2	93.6	-	-	-
Platform and cattle rack	18.3	4.1	83.8	37.1	39.1
All vans	1.8	.2	4.7	7.0	22.0
Dump trucks	1.7	-	.2	27.1	8.8
Tank trucks	2.0	-	3.7	21.0	12.5
All other	4.0	2.1	7.6	7.8	17.6
ANNUAL MILES					
Less than 6,000 miles	50.5	50.6	65.5	30.5	19.7
6,000 to 9,999 miles	19.8	21.2	15.6	19.9	7.1
10,000 to 19,999 miles	20.9	22.4	11.3	29.7	13.8
20,000 to 29,999 miles	4.9	4.6	4.5	6.7	9.2
30,000 miles or more	3.9	1.2	3.1	13.2	50.2
YEAR MODEL					
1966 and 1967	12.1	12.9	8.5	10.1	12.0
1964 and 1965	11.8	11.4	7.2	22.0	24.9
1962 and 1963	16.3	17.9	6.8	19.1	14.6
1960 and 1961	10.2	10.1	9.3	11.7	12.9
1958 and 1959	8.3	8.3	9.2	6.0	11.2
Pre-1958	41.3	39.4	59.0	31.1	24.4
ACQUISITION					
Purchased new	42.7	42.0	39.3	53.5	56.3
Purchased used	54.6	55.3	60.1	45.2	33.5
Leased or not reported	2.7	2.7	.6	1.3	10.2

[1]The distribution of trucks by vehicle size class is--

	(thousands)	(percent)		(thousands)	(percent)
Total trucks	115	100.0	Light-heavy	6	5.0
Light	89	77.1	Heavy-heavy	4	3.9
Medium	16	14.0			

TABLE 3. ALL TRUCKS: Percent Distribution of Annual Mileage Classes, by Vehicle and Operational Characteristics: 1967

Vehicle and operational characteristics	Total	Annual mileage class[1]				
		Less than 6,000 miles	6,000 to 9,999 miles	10,000 to 19,999 miles	20,000 to 29,999 miles	30,000 miles or more
Total trucks	*100.0*	*100.0*	*100.0*	*100.0*	*100.0*	*100.0*
MAJOR USE						
Personal transportation	25.3	30.5	27.4	16.3	20.2	-
Agriculture	51.7	56.2	45.9	53.7	41.6	22.5
Construction	5.7	2.0	6.8	7.9	21.3	18.3
Wholesale and retail trade	6.8	4.9	5.4	10.3	10.8	14.0
Utilities and services	3.8	3.0	7.0	4.1	.9	1.7
For hire	2.2	.4	1.2	2.1	2.9	32.7
All other	4.5	3.0	6.3	5.6	2.3	10.8
BODY TYPE						
Pickup and panel	72.2	71.8	75.0	81.4	65.1	21.2
Platform and cattle rack	18.3	23.3	13.5	8.5	14.6	36.0
All vans	1.8	.1	3.5	.7	3.1	22.9
Dump trucks	1.7	.8	1.1	3.2	3.5	5.9
Tank trucks	2.0	.9	1.3	3.0	4.4	10.6
All other	4.0	3.1	5.6	3.2	9.3	3.4
SIZE CLASS						
Light	77.1	77.3	82.5	82.7	73.2	21.2
Medium	14.0	18.1	11.0	7.5	12.8	10.6
Light-heavy	5.0	3.0	5.0	7.1	6.8	17.4
Heavy-heavy	3.9	1.6	1.5	2.7	7.2	50.8
YEAR MODEL						
1966 and 1967	12.1	4.3	9.8	24.7	40.9	20.8
1964 and 1965	11.8	4.1	11.8	24.3	21.7	32.8
1962 and 1963	16.3	10.7	26.1	21.4	11.2	18.0
1960 and 1961	10.2	5.6	21.1	12.3	6.9	6.8
1958 and 1959	8.3	7.8	10.7	7.8	6.2	10.8
Pre-1958	41.3	67.5	20.5	9.5	13.1	10.8
ACQUISITION						
Purchased new	42.7	28.6	48.9	61.6	64.1	67.3
Purchased used	54.6	69.5	45.8	38.2	30.4	23.4
Leased or not reported	2.7	1.9	5.3	.2	5.5	9.3

[1]The distribution of trucks by annual mileage class is--

	(thousands)	(percent)		(thousands)	(percent)
Total trucks	115	100.0	10,000 to 19,999 miles	24	20.9
Less than 6,000 miles	58	50.5	20,000 to 29,999 miles	6	4.9
6,000 to 9,999 miles	23	19.8	30,000 miles or more	4	3.9

TABLE 4. TRUCKS EXCEPT PICKUP AND PANEL: Percent Distribution of Ranges of Operation, by Vehicle and Operational Characteristics: 1967

Vehicle and operational characteristics	Total	Range of operation[1]	
		Local	Short range
Total trucks	*100.0*	*100.0*	*100.0*
MAJOR USE			
Agriculture	54.2	60.6	29.5
Construction	8.4	7.1	18.1
Wholesale and retail trade	12.8	10.5	25.1
Utilities and services	6.2	7.0	4.3
For hire	7.4	3.8	16.6
All other	11.0	11.0	6.4
BODY TYPE			
Platform and cattle rack	66.2	68.9	65.8
All vans	7.5	4.8	13.8
Dump trucks	6.2	6.6	4.8
Tank trucks	7.4	7.7	8.7
All other	12.7	12.0	6.9
ANNUAL MILES			
Less than 6,000 miles	51.2	58.2	23.6
6,000 to 9,999 miles	17.8	19.6	8.3
10,000 to 19,999 miles	14.0	13.4	21.2
20,000 to 29,999 miles	6.1	5.8	9.6
30,000 miles or more	10.9	3.0	37.3
YEAR MODEL			
1966 and 1967	9.3	7.0	20.2
1964 and 1965	11.7	9.7	16.1
1962 and 1963	11.2	10.7	13.9
1960 and 1961	10.2	8.6	17.2
1958 and 1959	8.7	8.0	10.4
Pre-1958	48.9	56.0	22.2
ACQUISITION			
Purchased new	46.5	43.4	68.2
Purchased used	50.8	56.1	29.1
Leased or not reported	2.7	.5	2.7
TYPE OF FUEL			
Gasoline	92.2	97.8	82.4
Diesel and LPG	5.4	1.2	16.5
Not reported	2.4	1.0	1.1

See footnote at end of table.

TABLE 4. TRUCKS EXCEPT PICKUP AND PANEL: Percent Distribution of Ranges of Operation, by Vehicle and Operational Characteristics: 1967--Continued

Vehicle and operational characteristics	Total	Range of operation[1]	
		Local	Short range
MAINTENANCE			
Self or own repair shop	38.7	38.9	35.8
Dealer or factory branch	21.6	18.8	37.8
Independent garage	37.5	40.7	24.5
All others and not reported	2.2	1.6	1.9
AREA OF OPERATION			
Only in one State	91.2	94.8	88.1
In more than one State	4.6	.9	10.0
Not reported	4.2	4.3	1.9

[1]The distribution of trucks (excluding pickups and panels) by range of operation is--

	(thousands)	(percent)		(thousands)	(percent)
Total trucks	31	100.0	Long range	1	3.5
Local	25	80.2	Not reported	1	3.1
Short range	4	13.2			

TABLE 5. TRUCKS EXCEPT PICKUP AND PANEL: Percent Distribution of Truck Types and Axle Arrangements, by Vehicle and Operational Characteristics: 1967

Vehicle and operational characteristics	Total	Vehicle type and axle arrangement[1]			
		Single-unit trucks			Combinations total
		Total	2-axle	3-axle	
Total trucks	*100.0*	*100.0*	*100.0*	*100.0*	*100.0*
MAJOR USE					
Agriculture	54.2	58.0	62.0	33.9	17.8
Construction	8.4	8.5	4.7	30.0	8.0
Wholesale and retail trade	12.8	13.0	13.6	9.2	11.7
Utilities and services	6.2	6.7	7.4	2.5	1.8
For hire	7.4	3.8	3.4	5.7	43.2
All others	11.0	10.0	8.9	18.7	17.5
BODY TYPE					
Platform and cattle rack	66.2	68.0	71.8	45.2	49.5
All vans	7.5	5.2	4.4	8.3	32.0
Dump trucks	6.2	6.7	3.1	28.0	1.2
Tank trucks	7.4	7.2	7.6	4.3	10.5
All other	12.7	12.9	13.1	14.2	6.8

See footnote at end of table.

TABLE 5. TRUCKS EXCEPT PICKUP AND PANEL: Percent Distribution of Truck Types and Axle Arrangements, by Vehicle and Operational Characteristics: 1967--Continued

Vehicle and operational characteristics	Total	Vehicle type and axle arrangement[1]			
		Single-unit trucks			Combinations total
		Total	2-axle	3-axle	
ANNUAL MILES					
Less than 6,000 miles	51.2	55.6	58.8	36.6	9.2
6,000 to 9,999 miles	17.8	19.1	19.8	14.6	5.5
10,000 to 19,999 miles	14.0	14.3	12.1	26.7	11.1
20,000 to 29,999 miles	6.1	5.9	5.6	7.0	9.2
30,000 miles or more	10.9	5.1	3.7	15.1	65.0
YEAR MODEL					
1966 and 1967	9.3	9.1	9.0	9.1	12.3
1964 and 1965	11.7	10.4	7.3	28.0	26.2
1962 and 1963	11.2	10.7	9.3	18.4	17.2
1960 and 1961	10.2	10.0	9.6	11.4	13.5
1958 and 1959	8.7	8.5	8.6	7.3	11.7
Pre-1958	48.9	51.3	56.2	25.8	19.1
ACQUISITION					
Purchased new	46.5	45.3	43.3	56.3	58.8
Purchased used	50.8	53.2	55.0	42.3	27.7
Leased or not reported	2.7	1.5	1.7	1.4	13.5
TYPE OF FUEL					
Gasoline	92.2	96.5	96.5	96.4	50.7
Diesel and LPG	5.4	1.3	1.0	2.6	46.8
Not reported	2.4	2.2	2.5	1.0	2.5
MAINTENANCE					
Self or own repair shop	38.7	39.4	38.3	45.1	33.2
Dealer or factory branch	21.6	20.4	20.5	19.9	33.0
Independent garage	37.5	38.1	38.9	33.1	32.0
All others and not reported	2.2	2.1	2.3	1.9	1.8
AREA OF OPERATION					
Only in one State	91.2	94.2	94.6	92.1	62.5
In more than one State	4.6	1.5	1.1	3.0	35.7
Not reported	4.2	4.3	4.3	4.9	1.8

[1]See illustrations of vehicle type and axle arrangement in item 15 of survey form (appendix B). The distribution of trucks (excluding pickups and panels) by vehicle type and axle arrangement is--

	(thousands)	(percent)		(thousands)	(percent)
Total trucks	31	100.0	Combinations		
			3 axles (item 15-3)	-	1.0
Single-unit			4 axles (item 15-4)	1	3.4
2 axles (item 15-1)	24	77.5	5 axles (item 15-6)	2	4.6
3 axles (item 15-2)	4	13.1	All other (item 15-5,7,8)	-	.4

APPENDIXES

Appendix A

Survey Method and Classification by Vehicle Size

Survey Method

The first stratification of the national sample was at the State level, and consisted of three strata based on the total number of trucks registered annually. The States assigned to each of the three strata are listed below.

About 1,500 truck registrations:

Alabama	Montana
Alaska	Nebraska
Arizona	Nevada
Arkansas	New Hampshire
Colorado	New Mexico
Connecticut	North Dakota
Delaware	Oregon
Dist. of Columbia	Rhode Island
Hawaii	South Carolina
Idaho	South Dakota
Iowa	Tennessee
Kentucky	Utah
Louisiana	Vermont
Maine	Virginia
Maryland	West Virginia
Massachusetts	Wyoming
Mississippi	

About 3,000 truck registrations:

Florida	Montana
Georgia	New Jersey
Indiana	North Carolina
Kansas	Oklahoma
Michigan	Washington
Minnesota	Wisconsin

About 4,500 truck registrations:

California	Ohio
Illinois	Pennsylvania
New York	Texas

The second stratificatior in each State was based on vehicle size as shown by the motor vehicle registration records, and consisted of two vehicle-size strata – "small" and "large." In the States where the sample size was about 1,500, roughly 400 registration records were drawn from the small-truck strata and 1,100 registration records from the large-truck strata. In States where the sample size was about 3,000, the small-truck strata consisted of about 800, and the large-truck strata about 2,200. In the States where the sample size was about 4,500, the small-truck strata consisted of about 1,200 and the large-truck strata about 3,300.

Classification by Gross Vehicle Weight

Most of the trucks in the survey were classified on the basis of their gross vehicle weight. The standard size classes in gross vehicle weight are as follows:

Light	10,000 pounds or less
Medium	10,001 to 20,000 pounds
Light-heavy	20,001 to 26,000 pounds
Heavy-heavy	26,001 pounds and over

The following States require motor vehicle registration based on gross vehicle weight:

Arkansas	Montana
Connecticut	New Hampshire
Delaware	New Jersey
Georgia	New York
Idaho	North Carolina
Illinois	North Dakota
Indiana	Pennsylvania
Iowa	Rhode Island
Kansas	Tennessee
Kentucky	Texas
Maine	Utah
Maryland	Vermont
Massachusetts	Virginia
Minnesota	West Virginia
Mississippi	Wisconsin
Missouri	

The gross vehicle weight shown on the registration record for trucks in these States was used directly for classifying vehicles into the four size-class categories.

Classification by Other Bases

Some States require motor vehicle registration on a basis other than gross vehicle weight. The following States base registration on the empty weight of the vehicle:

Alaska	Michigan
Arizona	Nevada
California	New Mexico
Colorado	Ohio
Dist. of Columbia	Washington
Florida	Wyoming
Hawaii	

Other bases for motor-vehicle registration are as follows:

Alabama—For-hire vehicles were registered on gross vehicle weight; all others on tons-rated capacity which was converted by Census to gross vehicle weight in pounds.
Louisiana—Gross axle weight in pounds.
Nebraska—Commercial vehicles were registered on gross vehicle weight in pounds; all others in tons-rated capacity which was converted by Census to gross vehicle weight in pounds.
Oklahoma—Farm trucks registered in tons-rated capacity which was converted by Census to gross vehicle weight in pounds; all others registered in gross vehicle weight in pounds.
Oregon—Commercial vehicles registered on gross vehicle weight in pounds; all others on empty weight which was converted to gross vehicle weight in pounds.
South Carolina—Load capacity in tons which were converted to pounds.
South Dakota—Chassis weight in pounds.

For these States, the most feasible method of classifying trucks in terms of the four standard size classes was to use the characteristics of the trucks as reported by the truck owners in this survey. Following is the basis for classification.

All combinations (i.e., truck-tractor-semi-trailer, and all other combinations)	Heavy-heavy
Two-axle single-unit trucks:	
All pickup or panel	Light
All concrete mixers and auto transport	Heavy-heavy
Multistop, platform, cattle rack, vans, and beverage trucks with body length of--	
Under 10 feet	Light
10 to 19 feet	Medium
20 to 40 feet	Light-heavy
41 feet and over	Heavy-heavy
Dump trucks with capacity of--	
Under 7 cubic yards	Light-heavy
7 cubic vards and over	Heavy-heavy
Tank trucks with capacity of--	
Less than 1,000 gallons	Medium
1,000 to 1,999 gallons	Light-heavy
2,000 gallons or more	Heavy-heavy
Three-axle single-unit trucks with registered weight of--	
Less than 11,501 pounds	Light-heavy
11,501 pounds or more (Applied to States of Alaska, Arizona, California, Colorado, District of Columbia, Florida, Hawaii, Michigan, Nevada, New Mexico, Ohio, Washington, and Wyoming)	Heavy-heavy
Less than 24,000 pounds	Light-heavy
24,000 pounds or more (Applied to Louisiana)	Heavy-heavy
Less than 6,000 pounds	Light-heavy
6,000 pounds or more (Applied to South Dakota)	Heavy-heavy
Three-axle single-unit trucks with registered weight converted to gross vehicle weight in pounds:	
Less than 26,001 pounds	Light-heavy
26,001 pounds or more (Applied to States of Alabama, Nebraska, Oklahoma, and Oregon)	Heavy-heavy
Three-axle single-unit trucks with registered weight in tons converted to pounds:	
Less than 4,501 pounds	Light-heavy
4,501 pounds or more (Applied to South Carolina)	Heavy-heavy

Appendix B Census Reporting Form

Budget Bureau No. 41-66132; Approval Expires July 30, 1968

NOTICE – Response to this inquiry is required by law (Title 13 U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

FORM TC-200A (10-14-66)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

1967 CENSUS OF TRANSPORTATION
TRUCK INVENTORY AND USE SURVEY

INSTRUCTIONS

In correspondence pertaining to this report, please include State and license number.

Furnish make, year model, State, and weight of vehicle if not shown. If the license plates were on a vehicle other than the one described below give description of the vehicle currently registered.

Return the form to the Bureau of the Census, Washington, D.C., 20233, in the enclosed envelope which requires no postage, not later than **twenty (20) days** after receipt.

1 *Please correct if name or address has changed* 2

1. VEHICLE IDENTIFICATION

Make	Year model	Registered weight or capacity	State	License No.
3	4	5		

2. OWNERSHIP OF VEHICLE 6

On April 1, 1967, were you the owner (or license holder) of the vehicle identified in item 1 (even though you may have sold, traded or otherwise disposed of it after April 1, 1967)?

1 ☐ Yes – *Go to Question 3*

2 ☐ No – Disposed of BEFORE April 1, 1967

When did you sell, trade, or otherwise dispose of the vehicle?_____Month

If "No," sign on page 4 and return questionnaire

3. ACQUISITION OF VEHICLE 7

How did you acquire this vehicle?

1 ☐ Purchased new

2 ☐ Purchased used

3 ☐ Leased from someone else

4. BASE OF OPERATION

a. What was the principal place from which the vehicle was operated?

City or town

County 8 State 9

b. Was this vehicle operated almost entirely in the State named in 4a? 10

1 ☐ Yes 2 ☐ No

5. NUMBER OF TRUCKS, TRUCK-TRACTORS AND TRAILERS OPERATED FROM "BASE OF OPERATIONS"

How many trucks, truck-tractors, and trailers were you operating out of the city or town named in 4a as of April 1, 1967? (Report total number including the vehicle which you have been describing on this questionnaire.)

	Total	
Trucks		11
Truck-tractors		12
Trailers (semi- and full-trailers). .		13

6. LEASED TO OTHERS WITHOUT DRIVER 14

During the past 12 months, did you use this vehicle MOSTLY for leasing or renting (without driver) to others?

1 ☐ No – *Go to Q.7*

2 ☐ Yes – **Was this vehicle usually leased or rented for periods of:**

1 ☐ **Less than 30 days?** – *Go to Q.10*

2 ☐ **30 days or longer?** – *Go to Q.7*

15

7. MAJOR USE OF THE TRUCK OR COMBINATION *(Mark (X) one box)*

How was the vehicle mostly used during the past 12 months?

(If the vehicle was leased to someone else (without driver) for periods of 30 days or more, mark (X) the box that describes the business of the person or company to whom you leased the vehicle the longest time.)

16

01 ☐ For personal transportation – Used in place of an automobile to go from home to work; for outdoor recreation; camping; fishing; etc. – *Go to Q.10*

02 ☐ Own farm or ranch or other agricultural activity
03 ☐ In forestry or lumbering
04 ☐ In mining or quarrying
05 ☐ In construction
06 ☐ In manufacturing
07 ☐ In wholesale and/or retail
} *Go to Q.8*

08 ☐ In utilities – telephone, electric, gas, etc.
09 ☐ In services – hotel, automobile repair, laundry, etc.
} *Go to Q.10*

17

10 ☐ For-hire transportation – Includes trucking services known as drayage, local cartage, household goods movers, common or contract motor carriers, commercial motor carriers, leased with driver, "owner-operators" under lease or contract.

If "For-hire" transportation has been checked, mark (X) one box below:

Is this service under an Interstate Commerce Commission authorization (either granted or pending)?

1 ☐ Yes
2 ☐ No
} *Go to Q.8*

11 ☐ Other – *If none of the above applies to the use you make of the vehicle, describe the main use of the vehicle here. If a product is hauled, answer Q.8 next. If this is a service type vehicle, go to Q.10*

_____

8. PRINCIPAL PRODUCTS CARRIED

18

Please mark (X) box which indicates product usually carried by this vehicle.

01 ☐ Farm products (fruit, grain, livestock, meat, poultry, dairy products, etc.)
02 ☐ Processed foods, beverages and tobacco
03 ☐ Primary metal products (ingot, billets, pipes, sheets, etc.)
04 ☐ Machinery or allied products
05 ☐ Transportation equipment (motor vehicles, trailers, boats, motorcycles, etc.)
06 ☐ Building materials (lumber, millwork, etc.)
07 ☐ Furniture, household appliances, or hardware
08 ☐ Chemicals, rubber, plastics or related products (including drugs, paints, fertilizers, etc.)
09 ☐ Petroleum or petroleum products
10 ☐ Scrap, refuse and garbage
11 ☐ Mixed cargos
12 ☐ No products (used for repair, cranes, compressors, etc.) – *Go to Q.10*
13 ☐ Other – *Describe* _____

9. ROUND-TRIP LOAD

19

On a round-trip basis, how does the truck or combination usually move? *(Mark (X) one box only)*

1 ☐ Loaded in one direction, but returns empty (or almost empty) in the other direction
2 ☐ Loaded in both directions
3 ☐ Other – *Describe* _____

10. VEHICLE MILES

20

Please give speedometer (odometer) reading or if not indicated by speedometer, give your best estimate.

What were the total miles this vehicle was driven during the past 12 months and the total miles driven since new?

(If vehicle was idle for the year enter "None")

	Miles
a. Total miles driven during past 12 months *(If less than 12 months, estimate probable miles for year.)* . .	21
b. Total miles this vehicle has been driven since new	22

11. GROSS VEHICLE WEIGHT

23

Mark (X) one box that is nearest the total weight of this truck or combination when loaded to full capacity (gross vehicle weight in pounds).

01 ☐ Less than 6,000
02 ☐ 6,000 to 10,000
03 ☐ 10,001 to 19,500
04 ☐ 19,501 to 26,000
05 ☐ 26,001 to 32,000
06 ☐ 32,001 to 40,000
07 ☐ 40,001 to 50,000
08 ☐ 50,001 to 60,000
09 ☐ 60,001 to 70,000
10 ☐ 70,001 and over

12. BODY TYPE – PICKUP AND PANEL TRUCKS

a. Does this truck have a pickup or panel body? 24

1 ☐ No – *Go to Q.13*

2 ☐ Yes – *Mark (X) the box in front of illustration of type and answer "b" and "c"*

25

1 ☐ Pickup truck

2 ☐ Panel truck

b. Does this pickup or panel truck have 4-wheel drive? 26

1 ☐ Yes

2 ☐ No

c. Is this pickup or panel truck equipped with a camper body or other special camping equipment?

1 ☐ Yes
2 ☐ No
} *Sign certification on page 4 and return questionnaire*

27

13. TYPE AND SIZE OF BODY (other than pickup or panel)

Mark (X) ONE box to describe the type of body of the truck or combination. If the power unit is a truck-tractor, report body type of the combination most frequently used with the power unit.

28

Body type

01 ☐ Multi-stop or walk-in
02 ☐ Platform, stake, grain, flatbed or other platform type (with or without dumping device) including low bed and depressed center
03 ☐ Cattle rack (hogs, calves, and other livestock)
04 ☐ Insulated non-refrigerated van
05 ☐ Insulated refrigerated van
06 ☐ Furniture van
07 ☐ Open top van
08 ☐ All other enclosed vans
09 ☐ Beverage

Mark (X) ONE box to indicate length of load space or capacity for all types except garbage or refuse collector, winch or crane, wrecker, pole or logging, auto transport and utility.

29

Body size

Length of load space (feet)

01 ☐ Under 10
02 ☐ 10 and less than 13
03 ☐ 13 and less than 16
04 ☐ 16 and less than 20
05 ☐ 20 and less than 28
06 ☐ 28 and less than 36
07 ☐ 36 and less than 41
08 ☐ 41 or more

10 ☐ Garbage or refuse collector
11 ☐ Winch or crane, other than wrecker
12 ☐ Wrecker
13 ☐ Pole or logging
14 ☐ Auto transport
15 ☐ Utility (body equipped for mobile repair and service, e.g., telephone line truck, electrical utility, etc.)

Do not specify body size for these types.

20 ☐ Dump truck or combination . . . . . .

Capacity of dump (water level without side boards) (cubic yards)

09 ☐ Under 5 11 ☐ 7 to 9.9 13 ☐ 15 to 19.9
10 ☐ 5 to 6.9 12 ☐ 10 to 14.9 14 ☐ 20 or more

30 ☐ Tank truck or combination (for liquids) . . . . . .

Liquid capacity of tank (gallons)

15 ☐ Less than 1,000 19 ☐ 4,000 to 5,999
16 ☐ 1,000 to 1,999 20 ☐ 6,000 to 7,999
17 ☐ 2,000 to 2,999 21 ☐ 8,000 to 11,999
18 ☐ 3,000 to 3,999 22 ☐ 12,000 or more

40 ☐ Tank truck or combination (for dry bulk). . . . . .

Dry bulk capacity (cubic feet)

23 ☐ Less than 300 26 ☐ 900 to 1,199
24 ☐ 300 to 599 27 ☐ 1,200 to 1,499
25 ☐ 600 to 899 28 ☐ 1,500 or more

50 ☐ Concrete mixer. . . . . .

Capacity of mixer (cubic yards)

29 ☐ Less than 6 31 ☐ 7 to 7.9 33 ☐ 10 to 11.9
30 ☐ 6 to 6.9 32 ☐ 8 to 9.9 34 ☐ 12 or over

60 ☐ Other body types – *(If the above descriptions do not satisfactorily describe your vehicle, please enter identifying body type and size (or capacity).)*

14. VEHICLE TYPE 30

Is this vehicle a single unit truck or is it a truck-tractor?

1 ☐ Single unit truck 2 ☐ Truck-tractor

15. AXLE ARRANGEMENT 31

Please mark (X) the box that illustrates the axle arrangement of this truck or truck-tractor with the trailing unit most frequently used with the power unit.

1. ☐

2. ☐

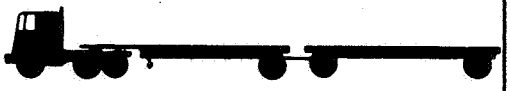
3. ☐

4. ☐

5. ☐

6 ☐

7. ☐

8. ☐ 

If none of the above applies, please indicate total number of axles on:

	Total axles	
Truck or truck-tractor		32
Trailing unit(s)		33

16. POWERED AXLES 34

How many driving (powered) axles does this vehicle have? *(Report tandem axles as two axles.)*

1 ☐ One
2 ☐ Two
3 ☐ Three
4 ☐ Four or more

17. TYPE OF FUEL 35

What type of fuel is used with this vehicle?

1 ☐ Gasoline
2 ☐ Diesel
3 ☐ LPG

18. AREA OF OPERATION 36

Where is vehicle mostly operated?

Mark (X) one box only

1 ☐ Mostly in the local area (in or around the city and suburbs, or within a short distance of the farm, factory, mine, or place vehicle is stationed).

2 ☐ Mostly **over-the-road** (beyond the local area) but usually not more than 200 miles one way to the most distant stop from the place vehicle is stationed.

3 ☐ Mostly **over-the-road** trips that usually are more than 200 miles one way to the most distant stop from place the vehicle is stationed.

19. MAINTENANCE 37

When major repairs are needed on this vehicle, are they usually done by:

1 ☐ **Yourself?**
2 ☐ **Truck dealer or factory branch?**
3 ☐ **Own repair shop (set up specifically for maintenance)?**
4 ☐ **Independent garage?**
5 ☐ **Other?** – *Describe* _____

Name of person to contact regarding this report	Address *(Number and street, city, State, ZIP code)*	Telephone *(Include area code, number, ext.)*

CERTIFICATION – This report is substantially accurate and has been prepared in accordance with instructions.

Signature of authorized official	Title	Date