

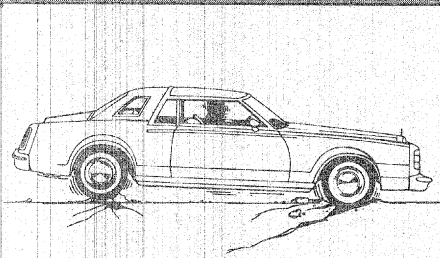


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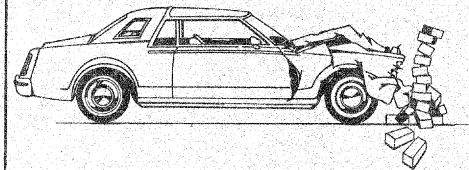
# Highway Performance Monitoring System Truck Weight Case Study

Office of Highway Planning

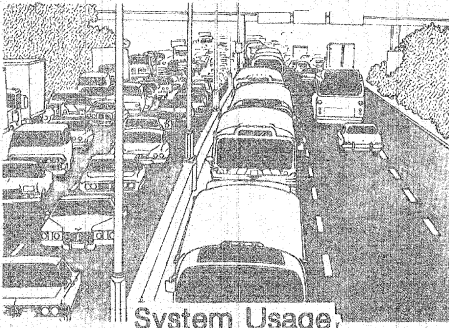
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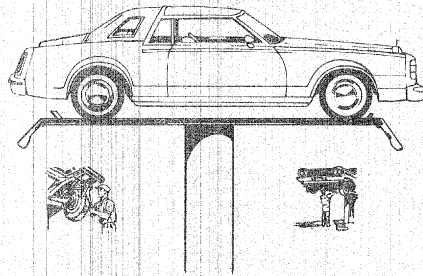
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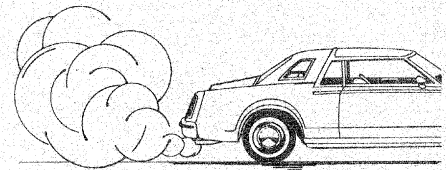
Safety



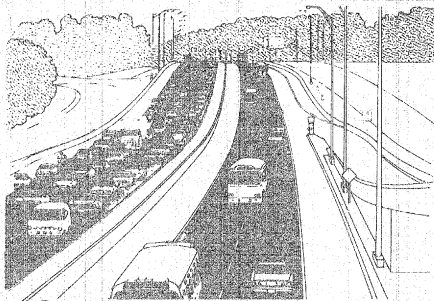
System Usage



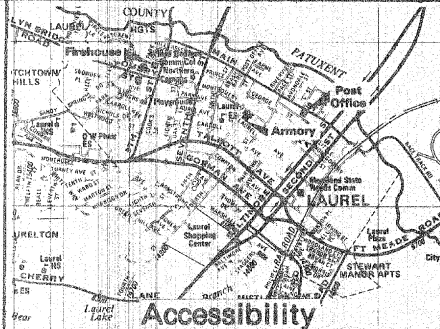
Vehicle Operating Cost



Air Pollution



Comfort and Convenience



Accessibility



TRUCK WEIGHT CASE STUDY  
FOR THE HIGHWAY PERFORMANCE MONITORING SYSTEM (HPMS)

JUNE 1982

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WASHINGTON, D.C.



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## I. HIGHLIGHTS

- o Average day weights for most vehicle types did not vary significantly from season to season when all functional classes were combined.
- o When individual functional classes were considered, seasonal variation was significant for most vehicle types.
- o The rural Interstate System had the least seasonal variation for most vehicle types.
- o The urban minor arterials/collectors had the lowest average gross weights for 5 of the 6 classifications of truck combinations.
- o Most vehicles, in particular combination trucks, exhibited characteristics similar to the 3S2.
- o The highest average gross weight for a 3S2 occurred on the rural Interstate System and the lowest occurred on the urban minor arterial/collector systems.
- o Weights and equivalent axle loads (EAL) were highly dependent on functional class.
- o Average weekend weights and EAL's for 3S2's were consistently higher than average weekday weights.
- o The average weight of a 3S2 on a weekday decreased during the middle of the day and increased at night.
- o The average weight of a 3S2 on a weekend remained relatively consistent throughout the day.
- o The variation in the average weight of a 3S2 during the weekday hours was greater than the variation during the weekend hours for every season of the year.



## II. INTRODUCTION

This report documents the results of the Highway Performance Monitoring System (HPMS) Truck Weight Case Study which was conducted from the fall of 1980 to the fall of 1981. The report provides information on the seasonal, daily, and hourly variation in truck weights on rural and urban functional systems. This information plays a vital part in pavement design, cost allocation, the determination of highway needs, and, in combination with other data sources, can be used to determine the required thickness of new pavements or overlays to existing pavement, calculate ton-miles of freight, assess the cost responsibility of various users, evaluate pavement deterioration, and estimate energy consumption.

### Purpose

The Case Study was intended to primarily fulfill the needs of the HPMS and the National Highway Cost Allocation Study. The Study was also to provide fundamental input to current and future special studies such as biennial reports to Congress. It was concerned with obtaining comprehensive weight data not available through the biennial Truck Weight Study (TWS). In particular, greater functional class and temporal coverage was gathered.

The HPMS is a continuing information system encompassing data collection, extensive data analysis and modeling, and historical recordkeeping. Basically, the HPMS provides the Federal Highway Administration (FHWA) with the capability to (1) periodically assess the extent and condition of the highway system, (2) monitor the performance of the highway systems on a continuing basis, (3) calculate the impacts of existing highway programs and policies, and (4) forecast potential impacts of future alternative programs and policies. In addition, HPMS serves a host of other activities such as supporting various reports to the Congress, supporting day-to-day program and policy evaluations, satisfying routine planning data needs, and responding to continuing inquiries and requests from the Administration, the Congress, and the public.

The HPMS gathers information on statistically selected sample sections of highway. However, some information is too costly to collect for all sample sections. Gathering this type of data depends on the use of case studies in which typical or representative values are established. This Truck Weight Case Study is

one of several case studies. Other studies have addressed vehicle occupancy, vehicle classification, and improvement costs.

### Scope

The Case Study was primarily designed to measure the variation in truck operating weights within functional systems by season of the year, weekday/weekend, and hour of day. The following functional systems were covered in both rural and urban areas: Interstate (plus other freeways and expressways in urban areas); other principal arterials; and minor arterials/collectors.

Consideration was given to conducting the Study on a random sample basis within well-defined confidence limits. Although such a statistical basis would have been very desirable, it was not practical due to funding, manpower, and time constraints. It was felt that although a statistical study could not be conducted, a reasonable amount of representative data could be collected to identify hour of day, weekday vs. weekend, and season of the year variations.

Weight data was collected for one weekday per weighing site per quarter to establish seasonal variation. Weight data for one Saturday or Sunday was collected each quarter (two Saturdays and two Sundays in four quarters) at one of the two sites for each functional system to establish weekday vs. weekend differences. To establish hourly differences, it was recognized that 24 hours of data were necessary on the Interstate and other principal arterial systems where there were a significant number of trucks to weigh around the clock. However, it was recognized that truck traffic on minor arterials and collectors decreased during nighttime hours. Therefore, in order to maintain the Study's cost effectiveness, it was decided to limit data collection to 16 hours for minor arterials and collectors.

### Coverage

The FHWA solicited highway agencies to perform the study and, upon evaluation of agency proposals, selected six States--Arkansas, Florida, Iowa, Nevada, Oregon and Wisconsin. Each State selected weighing sites to achieve a representative distribution of sites by functional class. With the exception of Florida and Wisconsin, each State had a minimum of two sites for each of the functional

systems. Due to proximity to other sites, safety, and other considerations, Florida collected no information for the rural or urban minor arterial/collector systems and Wisconsin did not collect data on urban Interstate/other freeways and expressways. Table 1 shows the State distribution of sites by functional class.

Data were collected at both static and weigh-in-motion (WIM) scales in accordance with the instructions included in "Highway Performance Monitoring System Case Study Procedural Manual - Truck Weight, January 1980." A breakdown between empty and loaded vehicles was not available for Florida WIM data since vehicles were not stopped to determine load status. However, weight values established by the State of Nevada for a typical empty and loaded vehicle for each truck category were used to classify load status for Florida vehicles. These values were established by Nevada through its own experience with WIM and static scales over the past few years. These values were tested against the TWS data source to confirm their reasonableness.

#### Vehicle Types

Weighed vehicles were classified in one of the basic vehicle categories shown in Table 2 and Figure 1. Originally, 2-axle, 4-tired trucks were not included in the Study design. However, since these trucks were primarily included with the submitted data from the State of Florida, it was decided to include them in this report. Since weights of these trucks were mainly from one State, they were considered representative of Florida. Also, it should be noted that single-unit trucks pulling light trailers (e.g., camper trailer and boat trailer) were classified on the basis of the pulling unit since the HPMS vehicle categories do not differentiate single units with these trailers and information on axle spacing and type of axle grouping for these trailers was not available.

TABLE 1. STUDY COVERAGE - NUMBER OF SITES

Functional System	Arkansas	Florida	Iowa	Nevada	Oregon	Wisconsin	Total
<u>Rural</u>							
Interstate	2	1	2	2	2	2	11
Other Principal Arterial	2	1	2	2	2	2	11
Minor Arterial and Collectors	2	-	2	2	2	4	12
Total Rural	6	2	6	6	6	8	34
<u>Urban</u>							
Interstate & Other Freeways & Expressways	3	1	2	2	3	-	11
Other Principal Arterial	1	2	2	2	2	4	13
Minor Arterial and Collectors	2	-	2	2	2	2	10
Total Urban	6	3	6	6	7	6	34
Total All Functional Systems	12	5	12	12	13	14	68

TABLE 2. HPMS Vehicle Types

Buses - All vehicles manufactured as traditional passenger carrying buses with 2 axles and 6 tires or 3 or more axles. This category includes only traditional buses functioning as passenger carrying vehicles. All 2-axle, 4-tire mini-buses should be classified as vans. Modified buses were considered to be trucks and were appropriately classified.

Pickups, Panels, Vans, and Other 2-Axle, 4-Tire Trucks - This category includes all 2-axle, 4-tire camping vehicles, motor homes, vans, El Caminos, Rancheros, ambulances, hearses, carryalls, and 4-wheel drive vehicles such as Jeep, Scout, Bronco, Blazer and Ramcharger and power wagons, etc. This category was not originally included in the Study design.

2-Axle, 6-Tire Single-Unit Trucks - This category includes all trucks, camping and recreation vehicles, motor homes, etc., having 2-axles and dual rear wheels.

3 or More Axle Single-Unit Trucks - All vehicles on a single frame with 3 or more axles in any configuration. This category includes concrete mixer trucks, heavy dump trucks, large motor homes, etc., having 3 axles or more.

3-Axle Combination Trucks - All vehicles consisting of two units, one of which is a power unit, which have a total of 3 axles. This category includes all 2-axle tractors with 1-axle semi-trailers (2S1) and all 2-axle single-unit trucks with 1-axle trailers (2-1).

2-Axle Tractor with 2-Axle Semi-Trailer Trucks (2S2) - Only those vehicles consisting of a 2-axle tractor, and a 2-axle semi-trailer.

Other 4-Axle Combination Trucks - All vehicles consisting of two or more units having a total of 4 axles in any configuration except the 2S2.

TABLE 2. (Con't)

This category includes 2-axle trucks with 2-axle trailers (2-2), 3-axle trucks with 1-axle trailers (3-1), 3-axle tractors with 1-axle semi-trailers (3S1) and 2-axle tractors with 1-axle semi-trailer and 1-axle trailer (2S1-1).

3-Axle Tractor with 2-Axle Semi-Trailer Trucks (3S2) - Only those vehicles consisting of a 3-axle tractor with a 2-axle semi-trailer.

Other 5-Axle Combination Trucks - All vehicles consisting of two or more units with 5 axles in any configuration except the 3S2.

6 or More Axle Combination Trucks - All vehicles consisting of two or more units with six or more axles in any configuration.



FIGURE 1. TYPICAL VEHICLE TYPES

SINGLE-UNIT TRUCKS -

2 AXLE / 6 TIRE TRUCK



3 AXLE TRUCK



COMBINATION TRUCKS -

Trucks and Trailers

TWO AXLE TRUCK WITH ONE AXLE TRAILER 2-1



TWO AXLE TRUCK WITH TWO AXLE TRAILER 2-2



TWO AXLE TRUCK WITH THREE AXLE TRAILER 2-3



THREE AXLE TRUCK WITH TWO AXLE TRAILER 3-2



THREE AXLE TRUCK WITH THREE AXLE TRAILER 3-3



Tractors and Semi-Trailers

TWO AXLE TRACTOR WITH ONE TWO AXLE SEMI-TRAILER 2S2



TWO AXLE TRACTOR WITH ONE AXLE SEMI-TRAILER 2S1



THREE AXLE TRACTOR WITH ONE AXLE SEMI-TRAILER 3S1



THREE AXLE TRACTOR WITH TWO AXLE SEMI-TRAILER 3S2



TWO AXLE TRACTOR WITH ONE AXLE SEMI-TRAILER AND TWO AXLE TRAILER 2S1-2



TWO AXLE TRACTOR WITH TWO AXLE SEMI-TRAILER AND TWO AXLE TRAILER 2S2-2



THREE AXLE TRACTOR WITH ONE AXLE SEMI-TRAILER AND TWO AXLE TRAILER 3S1-2



THREE AXLE TRACTOR WITH TWO AXLE SEMI-TRAILER AND TWO AXLE TRAILER 3S2-2





### III. STUDY RESULTS

#### Introduction

The results of the Case Study are based on an analysis of 280,075 vehicles which were weighed at 68 sites in six States. The results show seasonal coverage for winter (December/January/February), spring (March/April/May), summer (June/July/August), and autumn (September/October/November). Daily coverage is shown for both weekdays and weekends. Hourly coverage is for hour 00 (midnight to 1:00 a.m.) to hour 23 (11:00 p.m. to midnight).

Various methods of study data analysis were considered. For instance, statistical techniques to test the significance of the data were investigated. However, since the Study was not based on a random sample, the tests and the resulting confidence statements would be meaningless. Also, weighting the data by average annual daily traffic (AADT) or daily vehicle miles traveled (DVMT) volume groups was considered. This approach was not feasible due to the fact that the Study sites did not lend themselves to coverage of a range of AADT or DVMT groups since the Study was not designed to gather information on this basis.

Due to the limitations of statistical and other methods of analysis it was decided to adjust the data for obvious errors and unrepresentative weights and base the Study results on simple averages. All vehicle weights more than two standard deviations from the mean for each vehicle type for empty, loaded and non-commodity movement trucks were eliminated from the data base. It was felt that this would give the most representative weight in each vehicle category.

The first part of Section III presents a limited amount of data for all vehicle types. For ease of presentation and to illustrate the type of detailed analysis which could be conducted, the second part of this section deals with the Study results as illustrated by one vehicle type--the 3S2 (3-axle tractor with 2-axle semi-trailer).

The 3S2 was chosen for presentation for a variety of reasons. First and foremost, the HPMS Vehicle Classification Case Study shows that this vehicle has the highest percentage distribution in the traffic stream of all heavy trucks across functional systems and design types for nearly every season of the year. Second, it is

considered by many as the typical heavy truck which carries a large percentage of the freight moved on the Nation's highways and accounts for the highest DVMT of combination vehicles. It also accounts for the highest number of trucks weighed in each State with the exception of Florida, which weighed a large number of light duty 2-axle, 4-tired single-unit trucks.

Consideration was given to using an average vehicle weight per State in this report as opposed to using the average of all vehicles weighed. It was decided to use the average of all vehicles weighed due to the biasing of data by States which contributed only a few vehicles to many of the seasonal, weekday/weekend, and hourly breakdowns.

Throughout this section, the following definitions apply:

1. Average Gross Weight (average weight of a vehicle) =

$$\frac{\text{Sum of all Vehicle Weights}}{\text{Number of Vehicles Weighed}}$$

NOTE: For clarity purposes it was decided to present data in this section for all vehicles regardless of load status (empty, loaded, non-commodity).

2. Average Weekday Weight (average gross weight of a vehicle weighed on a weekday) =  $\frac{\text{Sum of All Weekday Weights}}{\text{Number of Vehicles Weighed on Weekdays}}$

3. Average Weekend Weight (average gross weight of a vehicle weighed on a weekend day) =  $\frac{\text{Sum of All Weekend Weights}}{\text{Number of Vehicles Weighed on Weekends}}$

4. Average Day Weight (average gross weight of a vehicle on an average day) =

$$\frac{5 \times (\text{Average Weekday Weight}) + 2 \times (\text{Average Weekend Weight})}{7}$$

NOTE: In the tables, the average day weight was not calculated unless weighing was done on both weekdays and weekends for each individual category.

5. Empty Vehicle - Vehicle not carrying a payload.

6. Loaded Vehicle - Vehicle carrying a payload.
7. Non-Commodity Movement - Utility vehicles or vehicles with permanently-mounted equipment.

### Findings for All Vehicle Types

Tables 3 through 9 show summary information for each vehicle type. The tables represent data collected on each vehicle type in all States for the entire study period.

Table 3 shows some interesting differences in vehicle weights between States. For instance, the average weight of a 3S2 is 51,130 pounds in Florida, 56,278 pounds in Iowa and 58,642 pounds in Oregon. This shows that there are definite regional differences in vehicle weights.

From Tables 4 and 5, it can be seen that the average gross weight for each vehicle type is highly dependent on functional system and design type. For instance, depending on the vehicle type, weights of combination trucks varied 21 to 49 percent from functional system to functional system. The 3-axle or greater single-unit trucks had the least functional system variation while buses had the greatest variation. Urban minor arterials/collectors had the lowest average gross weights for 6 out of 10 vehicle types. Five of these six vehicle types were truck combinations.

Average gross weights also varied considerably on a seasonal basis. Table 6 shows that weights increased up to 17 percent from one season to another depending on vehicle type. This 17 percent difference was for buses from winter to summer. The greatest difference for trucks was a 12 percent increase from spring to winter for 4-axle combinations other than 2S2's.

In the weekday/weekend comparison of weights in Table 7, 7 of the 10 vehicle types had higher average weekend weights for the combined functional classes and seasons. The weekend weights ranged from 1 percent to 20 percent higher. The three vehicle types that had lower weekend weights were:

1. single unit - 2 axle, 6 tire

TABLE 3. NUMBER OF VEHICLES WEIGHED AND AVERAGE GROSS WEIGHTS BY STATE AND VEHICLE TYPE

HPMS VEHICLE CATEGORY	ARKANSAS			FLORIDA			ICHA			NEVADA			OREGON			WISCONSIN			TOTAL				
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT			
BUSES.....	55	33,473		2,139	21,378		48	18,698		500	28,355		21	32,667		29	25,669		2,792	22,950			
SINGLE UNIT - 2 AXLE, 4 TIRE.....	-	-		74,794	5,113		185	5,371		-	-		237	6,549		3	7,833		75,219	8,119			
SINGLE UNIT - 2 AXLE, 6 TIRE.....	3,715	14,283		18,738	11,910		3,423	14,177		2,527	14,007		4,374	13,659		3,285	12,772		36,262	12,812			
SINGLE UNIT - 3 AXLE OR MORE.....	1,025	25,715		4,413	27,534		1,384	25,919		817	33,356		2,345	28,987		845	27,792		11,429	28,106			
COMBINATION - 3 AXLE	384	27,411		972	27,021		576	27,649		553	25,721		960	26,128		273	25,973		4,338	26,763			
COMBINATION - 4 AXLE	2,007	35,339		9,011	38,013		2,481	36,548		466	37,164		736	34,568		814	35,412		15,495	37,108			
COMBINATION - 4 AXLE OTHER.....	18	33,761		148	27,863		542	20,494		63	29,683		393	27,033		142	24,080		1,306	24,313			
COMBINATION - 5 AXLE	23,331	53,594		24,305	51,130		38,704	56,278		8,699	60,540		14,580	58,642		8,584	54,771		119,863	55,121			
COMBINATION - 5 AXLE OTHER.....	200	53,655		137	55,962		1,765	63,193		2,689	61,010		5,441	57,834		280	58,062		10,512	59,449			
COMBINATION - 6 AXLE OR MORE.....	155	65,737		501	62,960		405	60,005		733	76,024		924	66,926		161	63,681		2,879	66,774			

- DATA NOT AVAILABLE.

TABLE 4. AVERAGE GROSS WEIGHTS BY VEHICLE TYPE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED			
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
BUSES.....	1,054	27,266	567	24,725	8	18,750	242	16,925	881	18,202	40	25,825	2,792	22,950		
SINGLE UNIT - 2 AXLE, 4 TIRE.....	17,985	5,038	10,825	6,137	80	5,971	12,869	4,502	33,691	5,065	169	5,388	75,219	5,119		
SINGLE UNIT - 2 AXLE, 6 TIRE.....	8,886	12,425	6,590	13,731	2,137	12,970	6,617	12,829	9,516	12,979	2,516	12,474	36,262	12,812		
SINGLE UNIT - 3 AXLE OR MORE.....	1,702	27,468	1,469	28,673	556	28,183	2,654	27,513	3,834	28,705	1,154	27,400	11,429	28,106		
COMBINATION - 3 AXLE	1,091	28,464	666	27,611	113	24,280	1,410	26,779	688	25,638	350	22,796	4,318	26,763		
COMBINATION - 4 AXLE	5,026	37,109	3,378	37,272	217	32,600	3,917	36,245	2,732	38,920	225	32,005	15,495	37,108		
COMBINATION - 4 AXLE OTHER.....	414	25,085	167	26,111	52	21,887	442	23,251	132	24,477	99	24,012	1,306	24,313		
COMBINATION - 5 AXLE	50,745	56,672	15,798	52,533	1,720	52,029	38,706	54,501	10,610	56,190	2,284	46,418	119,863	55,121		
COMBINATION - 5 AXLE OTHER.....	4,547	61,665	703	60,729	206	62,934	3,875	59,973	534	51,399	647	44,874	10,512	59,449		
COMBINATION - 6 AXLE OR MORE.....	1,350	69,519	220	61,022	67	59,901	969	66,088	213	66,245	60	46,725	2,879	66,774		

TABLE 5. AVERAGE GROSS WEIGHTS BY VEHICLE TYPE AND DESIGN TYPE

HPMS VEHICLE CATEGORY	RURAL						URBAN						TOTAL	
	FREWAYS AND EXPRESSWAYS		OTHER MULTILANE		2 LANE		FREWAYS AND EXPRESSWAYS		OTHER MULTILANE		2 LANE		VEHI- SAMPLE CLES IN	AVERAGE GROSS WEIGHT
	VEHI- SAMPLE CLES IN	AVERAGE GROSS WEIGHT	VEHI- SAMPLE CLES IN	AVERAGE GROSS WEIGHT	VEHI- SAMPLE CLES IN	AVERAGE GROSS WEIGHT	VEHI- SAMPLE CLES IN	AVERAGE GROSS WEIGHT	VEHI- SAMPLE CLES IN	AVERAGE GROSS WEIGHT	VEHI- SAMPLE CLES IN	AVERAGE GROSS WEIGHT		
BUSES.....	1,278	27,458	339	22,269	12	22,442	253	17,215	881	18,235	29	25,669	2,792	22,950
SINGLE UNIT - 2 AXLE, 4 TIRE.....	17,585	5,038	10,811	6,135	94	6,231	12,870	4,503	33,726	5,066	133	5,231	75,219	5,119
SINGLE UNIT - 2 AXLE, 6 TIRE.....	9,391	12,546	4,570	13,422	3,652	13,543	7,538	12,822	9,143	12,548	1,968	12,495	36,262	12,812
SINGLE UNIT - 3 AXLE OR MORE.....	1,843	27,884	798	27,638	1,086	28,632	2,889	27,732	4,233	28,910	580	24,460	11,429	24,106
COMBINATION - 3 AXLE	1,190	28,491	340	26,978	340	28,797	1,616	26,319	588	25,853	244	23,128	4,318	24,763
COMBINATION - 4 AXLE	5,080	37,098	2,920	37,390	621	35,189	4,008	36,108	2,687	39,284	179	29,216	15,495	37,108
COMBINATION - 4 AXLE OTHER.....	437	25,369	83	27,208	113	22,275	460	23,245	127	24,444	86	24,279	1,306	24,313
COMBINATION - 5 AXLE	51,125	56,642	11,098	51,487	6,040	54,308	39,133	54,419	10,707	56,045	1,760	46,618	119,863	55,121
COMBINATION - 5 AXLE OTHER.....	4,785	61,816	189	53,357	482	62,600	3,990	59,560	693	49,377	373	45,609	10,512	59,449
COMBINATION - 6 AXLE OR MORE.....	1,397	69,332	125	59,184	115	61,163	985	65,866	195	67,534	62	46,873	2,879	66,774



TABLE 6. AVERAGE GROSS WEIGHTS BY VEHICLE TYPE AND SEASON

HPRS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
BUSES.....	701	21,030	926	23,662	474	24,536	691	22,854	2,792	22,950
SINGLE UNIT - 2 AXLE, 4 TIRE.....	18,999	5,210	21,032	5,288	19,686	5,089	15,502	4,814	75,219	5,119
SINGLE UNIT - 2 AXLE, 6 TIRE.....	8,607	12,867	9,600	13,107	9,410	12,669	8,645	12,584	36,262	12,812
SINGLE UNIT - 3 AXLE OR MORE.....	3,175	26,532	2,964	28,500	2,648	27,946	2,642	29,267	11,429	28,106
COMBINATION - 3 AXLE	944	26,744	1,334	26,724	1,028	26,753	1,012	26,843	4,318	26,763
COMBINATION - 4 AXLE	4,031	36,982	3,798	37,773	3,893	37,514	3,773	36,155	15,495	37,108
2S2.....										
COMBINATION - 4 AXLE	245	25,559	340	24,269	349	22,808	372	24,945	1,306	24,313
COMBINATION - 5 AXLE	30,039	55,324	33,111	56,619	28,289	54,385	28,424	53,893	119,863	55,121
COMBINATION - 5 AXLE	2,293	60,616	2,936	57,004	2,556	59,968	2,727	60,612	10,512	59,449
COMBINATION - 6 AXLE	565	66,223	752	66,056	782	67,735	780	66,901	2,879	66,774
OR MORE.....										

TABLE 7. AVERAGE GROSS WEIGHTS BY VEHICLE TYPE AND WEEKDAY / WEEKEND

HPMS VEHICLE CATEGORY	WEEKDAY		WEEKEND		ALL DAYS COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
	BUSES.....	2,206	22,038	586	26,382	2,792
SINGLE UNIT - 2 AXLE, 4 TYRE.....	56,371	5,105	18,248	5,160	75,219	5,119
SINGLE UNIT - 2 AXLE, 6 TYRE.....	31,255	12,937	5,007	12,031	36,262	12,812
SINGLE UNIT - 3 AXLE OR MORE.....	10,378	28,337	1,051	25,231	11,429	28,106
COMBINATION - 3 AXLE COMBINATION - 4 AXLE	3,876	26,680	442	27,492	4,318	26,763
2S2.....	13,510	36,939	1,985	37,861	15,495	37,108
COMBINATION - 4 AXLE OTHER.....	1,052	24,920	254	21,801	1,306	24,313
COMBINATION - 5 AXLE 3S2.....	95,055	54,061	24,808	59,182	119,863	55,121
COMBINATION - 5 AXLE OTHER.....	8,518	59,114	1,994	60,877	10,512	59,449
COMBINATION - 6 AXLE OR MORE.....	2,305	65,716	574	71,022	2,879	66,774

2. single unit - 3 axle or more
3. combination - 4 axle other than 2S2

These vehicle types showed a vehicle weight decrease of 8-14 percent on weekends.

Table 8 shows that all combination trucks had the highest average gross weight between midnight and 6:00 a.m. and the lowest average gross weight between 10:00 a.m. and 6:00 p.m. The table shows that 2-axle, 4-tire single-unit trucks had the least variation by hour while 3-axle or more single-unit trucks had the most variation.

Table 9 shows that most of the vehicles sampled were loaded. This includes buses which were loaded 78 percent of the time. single-unit trucks loaded from 48 to 62 percent of the time, and combination trucks loaded 71 to 81 percent of the time.

#### 3S2 Weight Variation By Functional System and Season

A summary of the 3S2 weight variations among functional classes is shown in Figure 2. The variation in average day weight is broken down by season in this graph.

For all functional classes combined, average day weights did not vary significantly from season to season. The maximum difference was 2,700 pounds or 5 percent between the seasons with the lowest weight occurring in autumn and the highest weight occurring in spring. For all functional classes and all seasons combined, the average day weight of a 3S2 was 55,524 pounds.

Seasonal variation within each functional class showed more significant differences. For instance, the urban minor arterial and collector systems showed the largest variation (6,347 pounds or 15 percent from spring to autumn) and the rural Interstate System showed the least variation (1,379 pounds or 2 percent from autumn to spring). In general, the urban systems showed greater variation by season (8-15 percent) than the rural systems (2-9 percent).

It is interesting to note that the greatest average day weights of a 3S2 for all seasons combined occurred on the rural Interstate and urban other principal arterial systems while the lowest weights occurred on the rural and urban minor arterial/collector systems. The difference between the lowest and the highest 3S2

TABLE 8. AVERAGE GROSS WEIGHTS BY VEHICLE TYPE AND HOUR

HOUR	BUSES			SINGLE UNIT - 2 AXLE, SINGLE UNIT - 4 TIRE			SINGLE UNIT - 2 AXLE, SINGLE UNIT - 6 TIRE			SINGLE UNIT - 3 AXLE, SINGLE UNIT OR MORE			COMBINATION - 3 AXLE		
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE
00	83	24,892	988	4,880	271	11,850	60	25,290	49	30,529					
01	31	22,645	539	4,998	259	13,218	58	25,312	93	29,992					
02	12	21,567	352	5,070	236	11,918	56	27,888	66	29,741					
03	13	23,100	259	4,970	241	12,438	62	23,679	58	29,950					
04	38	26,489	356	5,077	316	13,231	112	28,191	88	30,063					
05	40	26,597	929	5,058	567	13,377	159	28,325	93	29,370					
06	246	25,459	3,039	5,024	1,237	14,205	413	30,035	168	29,849					
07	220	19,224	4,204	5,058	1,852	13,453	591	29,813	244	29,030					
08	208	19,152	4,609	5,215	3,096	13,253	1,051	29,935	330	27,212					
09	155	20,662	4,493	5,252	3,306	13,910	1,137	28,824	322	26,818					
10	122	23,543	5,273	5,264	3,154	12,782	1,075	29,097	312	26,299					
11	117	24,740	4,680	5,264	3,024	12,594	993	28,535	295	25,056					
12	113	23,515	4,009	5,203	2,530	12,952	762	29,268	261	25,452					
13	141	24,335	4,373	5,217	2,788	12,743	1,016	28,101	304	24,250					
14	256	20,944	4,156	5,165	2,948	12,417	1,021	28,167	322	24,821					
15	147	21,330	4,088	5,148	2,261	12,382	631	29,308	277	25,032					
16	244	19,970	5,637	5,030	2,308	12,718	790	27,227	285	25,169					
17	159	24,077	5,958	5,011	1,832	12,456	497	25,060	198	26,304					
18	136	26,874	4,988	5,065	1,318	12,488	309	24,051	125	26,512					
19	81	27,320	3,339	5,061	871	12,949	225	22,680	89	28,543					
20	76	27,299	2,629	5,037	673	12,754	172	22,880	95	26,538					
21	77	26,584	2,220	4,924	498	12,503	113	23,111	102	27,972					
22	48	25,048	1,729	4,950	428	12,436	89	19,048	83	29,537					
23	29	25,141	1,442	4,981	248	11,906	37	22,265	59	28,064					
TOTAL	2,792	22,950	75,219	5,119	36,262	12,812	11,429	28,106	4,318	26,763					

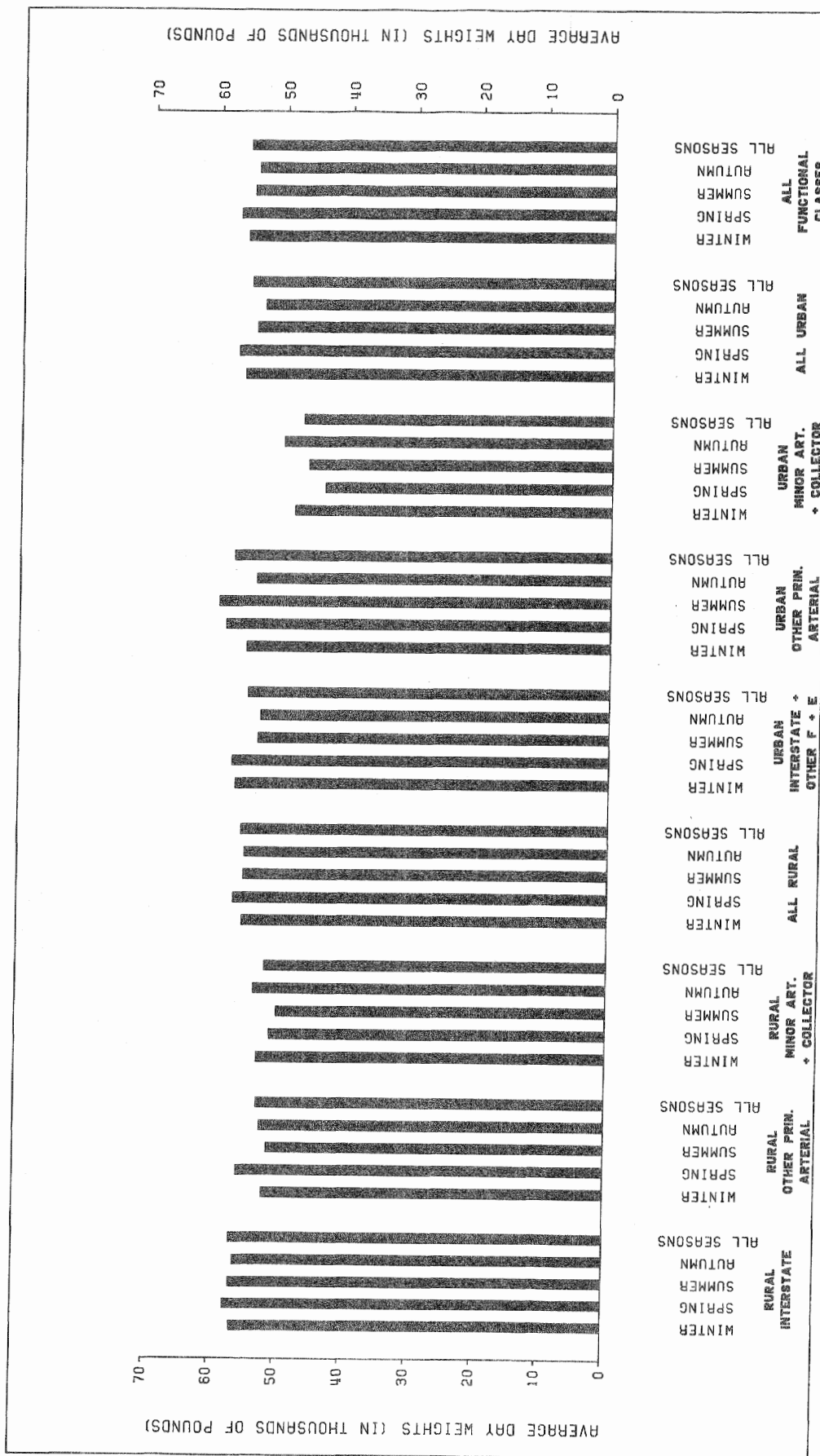
TABLE 8. AVERAGE GROSS WEIGHTS BY VEHICLE TYPE AND HOUR

HOUR	COMBINATION - 4 AXLE 2S2		COMBINATION - 4 AXLE OTHER		COMBINATION - 5 AXLE 3S2		COMBINATION - 5 AXLE OTHER		COMBINATION - 6 AXLE OR MORE	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
	00.....	336	37,362	25	28,440	3,947	58,405	336	59,698	85
01.....	403	37,803	12	25,017	3,905	58,823	320	62,011	91	73,512
02.....	341	36,050	15	25,060	3,454	58,117	334	62,593	88	72,343
03.....	407	38,534	11	32,164	3,542	58,289	374	62,024	115	72,234
04.....	449	38,545	14	29,650	3,513	57,570	371	61,930	101	70,469
05.....	522	39,138	17	26,453	3,796	57,661	386	63,769	101	69,483
06.....	643	41,372	58	27,226	4,573	57,002	522	62,353	121	66,455
07.....	631	39,138	36	27,986	3,105	55,581	453	58,877	110	63,018
08.....	916	37,485	120	25,432	5,720	53,836	620	55,769	176	62,988
09.....	1,086	35,588	110	24,389	6,190	52,785	642	56,029	179	65,953
10.....	1,011	37,803	91	23,395	6,265	52,402	579	55,511	149	66,687
11.....	1,027	36,746	109	22,743	6,593	51,414	556	57,447	169	62,621
12.....	863	36,108	77	23,209	6,219	51,967	528	58,456	140	65,209
13.....	330	35,763	111	24,143	6,512	52,984	543	59,721	146	64,709
14.....	978	35,455	92	22,366	6,929	53,089	512	60,000	156	64,938
15.....	705	34,917	47	28,887	4,141	52,736	412	57,435	133	67,224
16.....	761	36,018	74	24,458	6,347	53,558	501	59,317	115	65,481
17.....	672	36,504	70	22,283	6,103	55,180	423	61,799	116	68,529
18.....	621	37,243	54	21,872	5,832	55,301	382	60,164	114	64,971
19.....	533	36,215	34	22,865	5,505	56,338	374	60,472	120	62,743
20.....	467	37,722	41	22,559	5,225	56,568	368	59,493	98	65,285
21.....	501	38,157	29	23,714	4,836	58,031	341	60,205	94	68,882
22.....	449	37,042	28	24,604	4,933	58,463	361	59,489	88	71,335
23.....	243	38,758	11	22,591	2,678	57,038	254	60,470	74	67,885
TOTAL.....	15,495	37,108	1,306	24,313	119,863	55,121	10,512	59,449	2,879	66,774

TABLE 9. AVERAGE GROSS WEIGHTS BY VEHICLE TYPE AND LOAD STATUS

HPMS VEHICLE CATEGORY	EMPTY		LOADED		NON-COMMODITY MOVEMENT		ALL VEHICLES COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
BUSES.....	612	10,285	2,175	26,520	5	20,180	2,782	22,950
SINGLE UNIT - 2 AXLE, 4 TIRE.....	39,105	4,198	36,107	6,115	7	8,386	75,219	5,119
SINGLE UNIT - 2 AXLE, 6 TIRE.....	13,361	8,512	22,588	15,347	313	13,411	36,262	12,812
SINGLE UNIT - 3 AXLE OR MORE.....	4,250	18,993	7,062	33,511	117	32,897	11,429	28,106
COMBINATION - 3 AXLE	1,229	20,717	3,058	29,260	21	15,810	4,318	26,763
COMBINATION - 4 AXLE	3,660	23,601	11,823	41,287	6	38,417	15,495	37,108
2S2.....								
COMBINATION - 4 AXLE OTHER.....	354	19,031	927	26,439	25	20,276	1,306	24,313
COMBINATION - 5 AXLE	26,202	29,005	93,608	62,430	53	57,338	119,663	55,121
3S2.....								
COMBINATION - 5 AXLE OTHER.....	2,357	29,473	8,149	68,123	6	53,167	10,512	59,449
COMBINATION - 6 AXLE OR MORE.....	546	35,271	2,321	74,183	12	66,767	2,879	66,774

FIGURE 2. SEASONAL VARIATION IN AVERAGE DAY WEIGHTS  
BY FUNCTIONAL CLASSIFICATION FOR VEHICLE TYPE 3S2



weight by functional class for all seasons combined was 10,321 pounds or 22 percent between urban other principal arterials and urban minor arterials/collectors.

Figures 3 and 4 show the seasonal variation of 18-Kip equivalent axle loads (EAL) derived from the axle configuration and weights of 3S2's. The EAL's are broken down by functional class for both flexible and rigid pavements. The EAL's followed the same general pattern as the average day weights, although some differences existed due to the effect of equivalency factors and axle groupings used to calculate EAL's. For all functional classes combined, it can be seen that there was about a 15 percent variation between the seasons. Also, there were significant functional class differences.

For 3S2's, the largest seasonal variation in EAL's was on the urban other principal arterial system with approximately 50 percent difference between autumn and summer. The lowest 3S2 seasonal variation was on the rural Interstate system where only a 10 percent difference existed between winter and spring. The urban systems showed greater variation by season (14-52 percent) than the rural systems (10-35 percent). For the total of all seasons, the greatest EAL's were on the urban other principal arterial system which is approximately 100 percent greater than the least which were on the urban minor arterial and collector systems.

In summary, it could be said that 3S2 average day weights and EAL's were highly dependent on functional class. In particular, average day weights were significantly lower and had larger seasonal differences on the lower order functional systems. This points out the need to have adequate coverage of the lower order systems for truck weighing efforts.

#### 3S2 Weight Variation By Functional System and Weekday/Weekend

The variation by functional class of the average weekday weights and average weekend weights for 3S2's is shown in Figure 5. The average weekend weights were consistently higher than the average weekday weights for every functional class except rural minor arterials/collectors where the weekday weights are less than 1/2 percent higher. The greatest difference between weekday and weekend occurred on the urban other principal arterial system where the weight of a 3S2 was 12 percent higher on the weekend. The rural systems range from 1/2 to 8



**FIGURE 3. SEASONAL VARIATION IN 18-KIP EQUIVALENT AXLE LOADS (EAL)  
FOR FLEXIBLE PAVEMENT DESIGN (P = 2.5 AND SN = 5)  
BY FUNCTIONAL CLASSIFICATION FOR VEHICLE TYPE 3S2**

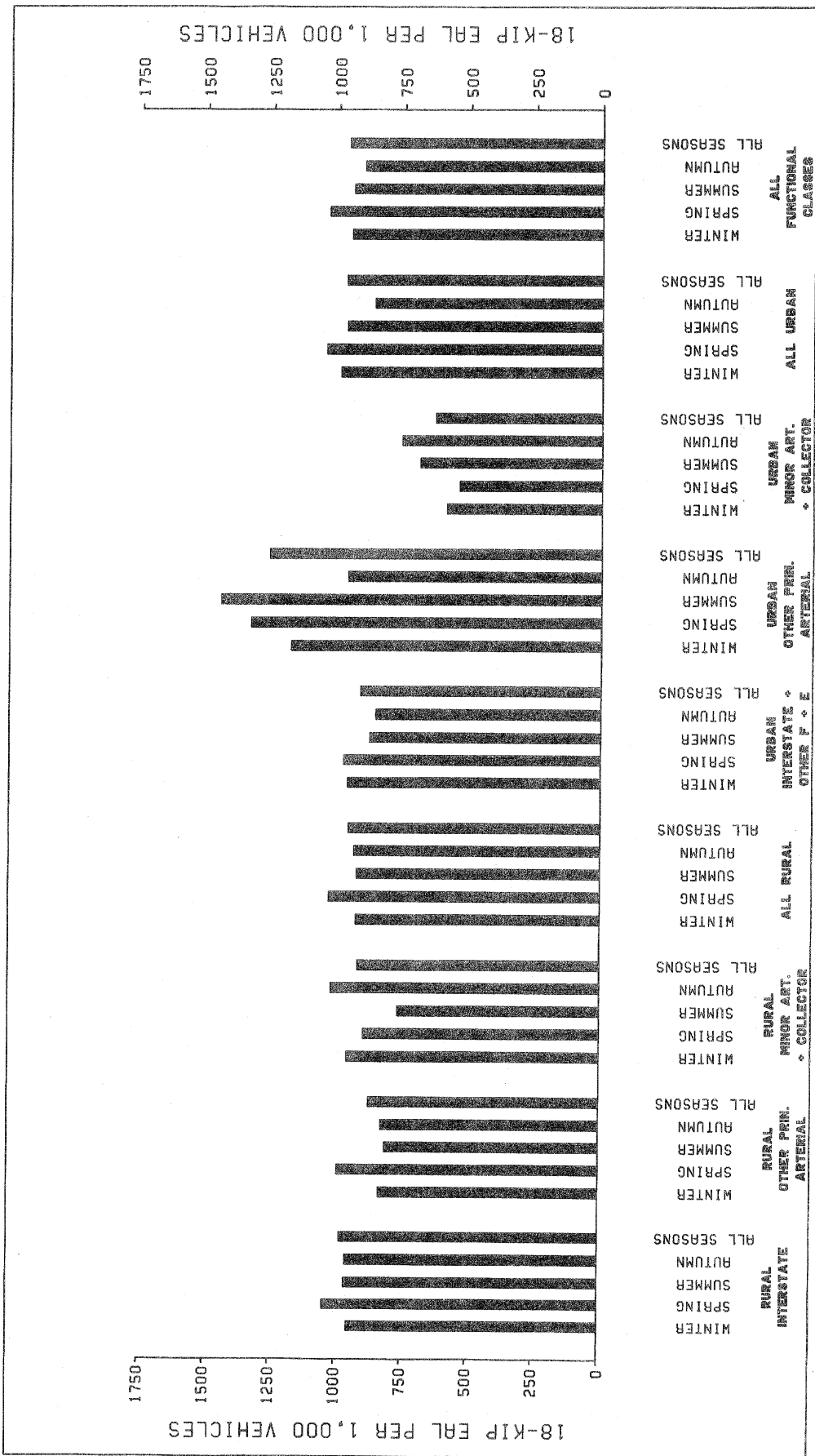
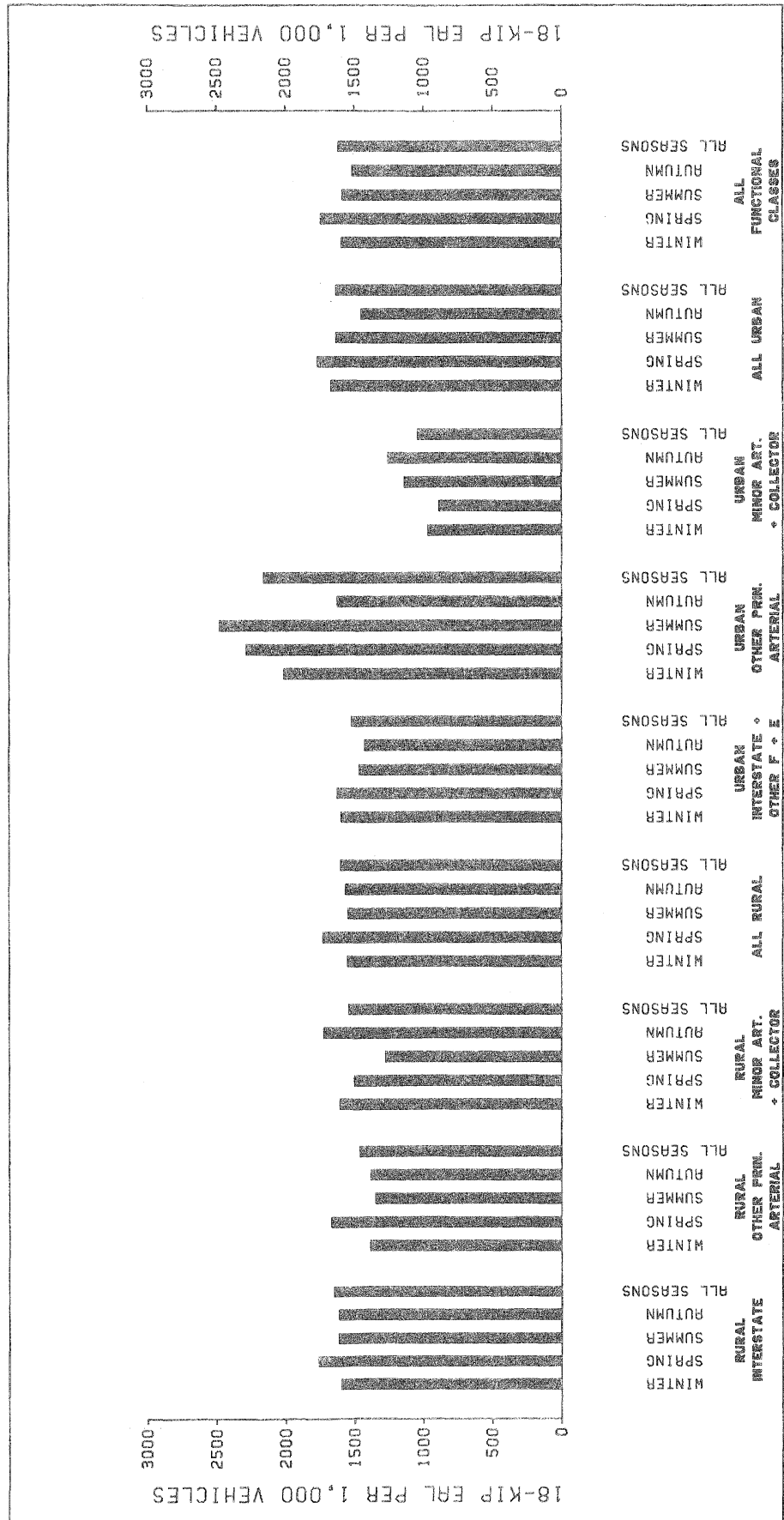
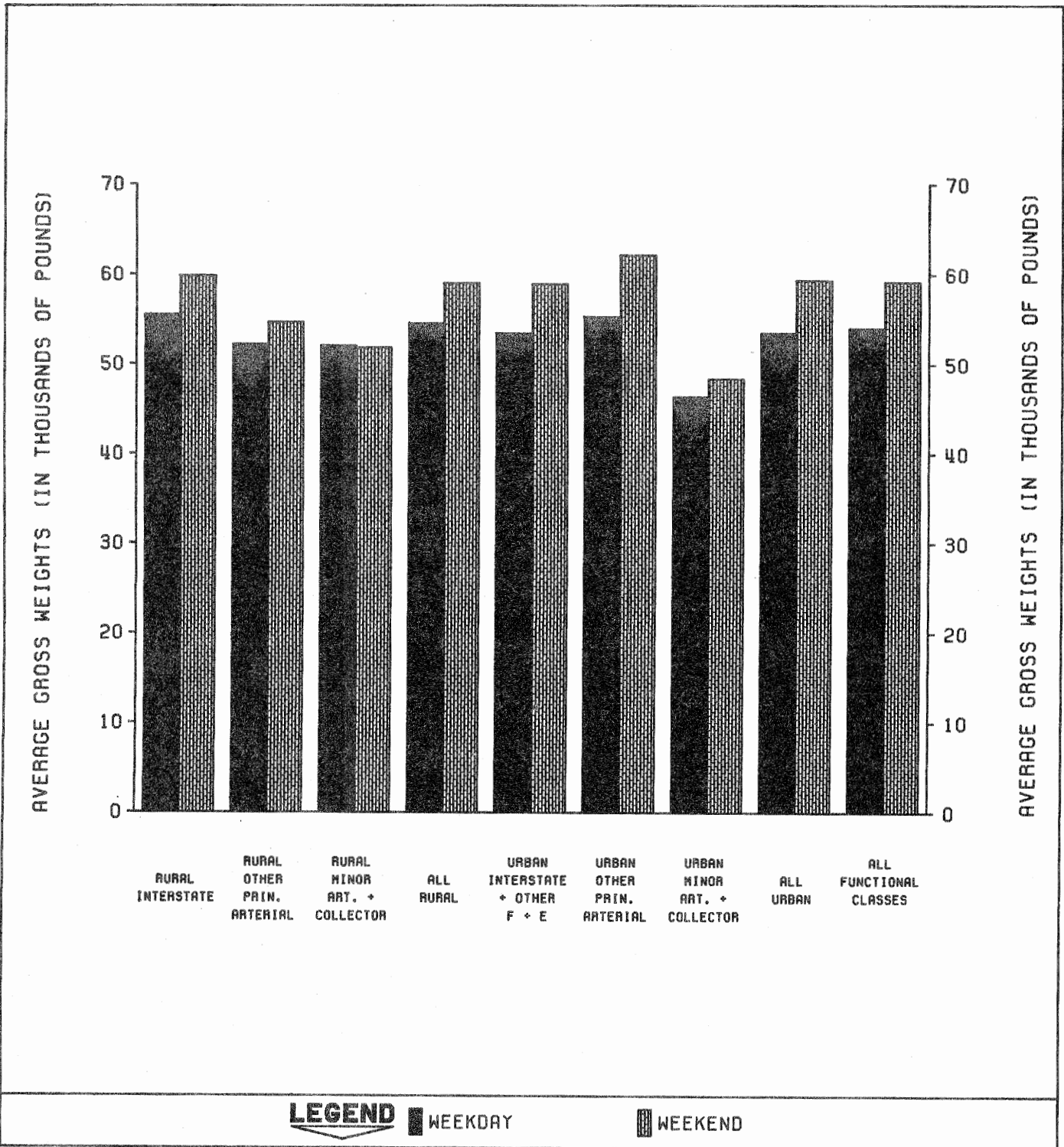


FIGURE 4. SEASONAL VARIATION IN 18-KIP EQUIVALENT AXLE LOADS (EAL)  
 FOR RIGID PAVEMENT DESIGN (P = 2.5 AND D = 9)  
 BY FUNCTIONAL CLASSIFICATION FOR VEHICLE TYPE 3S2



**FIGURE 5. WEEKDAY VERSUS WEEKEND AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION FOR VEHICLE TYPE 3S2**



percent higher on weekends while the urban systems range from 4 to 12 percent higher.

Figures 6 and 7 indicate how the EAL's for flexible and rigid pavements are affected by the difference in the average weekday and weekend weights. The EAL's followed the same pattern as the weights with the EAL's on weekends higher than those on weekdays for every functional class. The greatest difference in weekday/weekend EAL's occurred on the urban other principal arterial system. This system had about 35 percent higher EAL's on the weekend. The urban minor arterial/collector systems had the least variation between weekday and weekend (about 2 percent). The urban systems again showed greater variations than the rural systems. While the weekend EAL's range from 2-35 percent higher on the urban systems, they range from 8-15 percent higher on the rural systems.

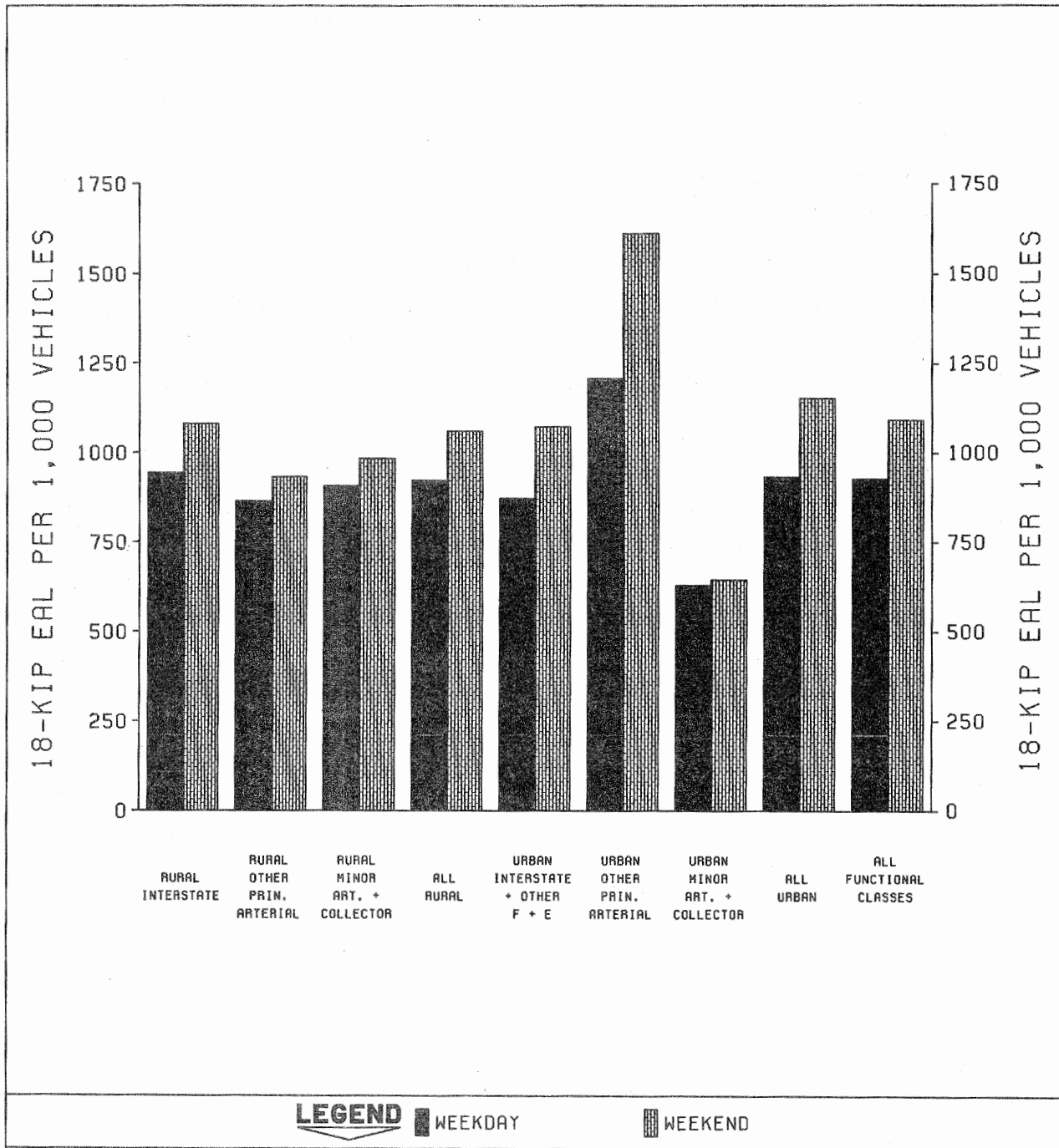
Other breakdowns of weekday and weekend data were explored to determine the consistency of the higher weekend weights for 3S2's. Figure 8 shows the average weekday weight, average weekend weight, and average day weight of a 3S2 for each season for all functional classes combined. The weekend weights were higher than the weekday weights for each season. The average weekend weights were about 4,900 pounds (9 percent) higher in winter, spring, and summer and 5,697 pounds (11 percent) higher in autumn.

A breakdown by each State involved in this case study was examined. Figure 9 shows the comparison of the average weekday and weekend weights of a 3S2 by State. Each participating State showed the same pattern of higher average weekend weights. These weights ranged from 5 to 13 percent higher by State than the weekday weights. The greatest difference in the weights occurred in Florida where the average weekend weights were 13 percent higher.

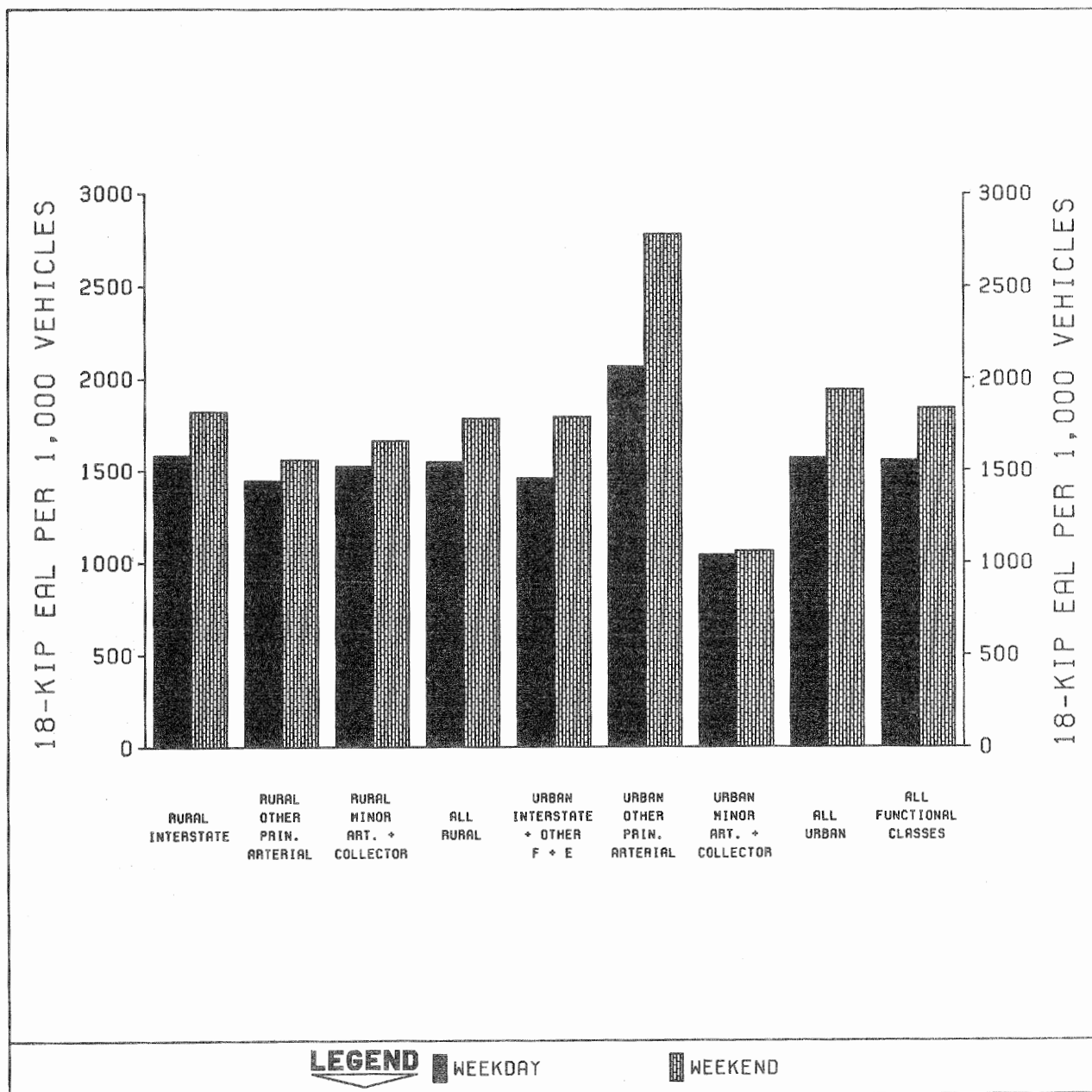
#### 3S2 Weight Variation By Functional System and Hour

To examine day versus night variations of average weekday and weekend weights of a 3S2, the weights were compared by hour of the day. This comparison is illustrated in Figure 10 for each season for all functional systems combined. Each season showed a similar trend. Weekday weights decreased during the middle of the day and increased at night while weekend weights remained more constant. Also, the average weekday and weekend weights closely approximated one another during the late night/early morning hours. However, beginning about 7:00 a.m., the

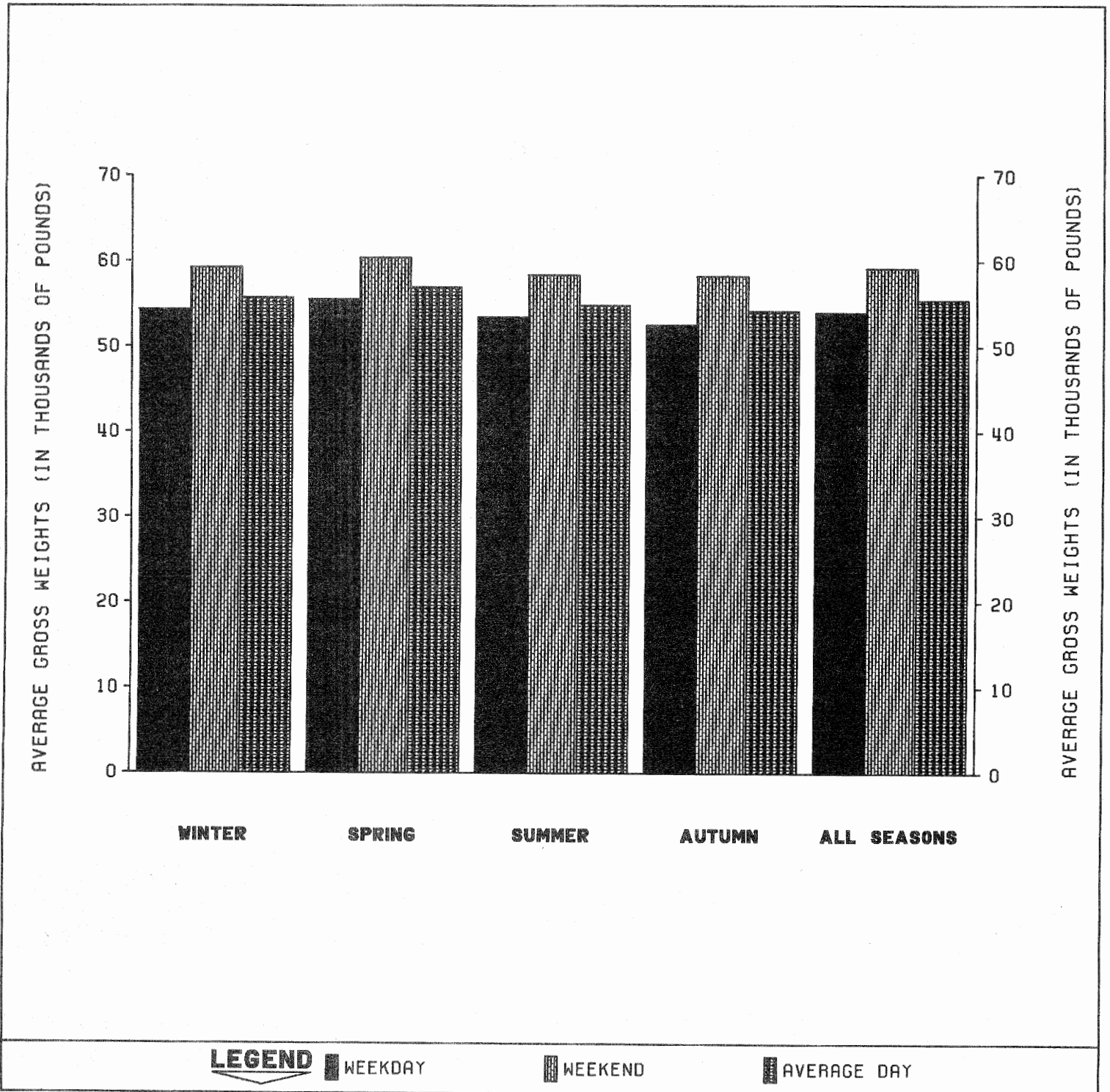
**FIGURE 6. WEEKDAY VERSUS WEEKEND 18-KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN (P = 2.5 AND SN = 5) BY FUNCTIONAL CLASSIFICATION FOR VEHICLE TYPE 3S2**



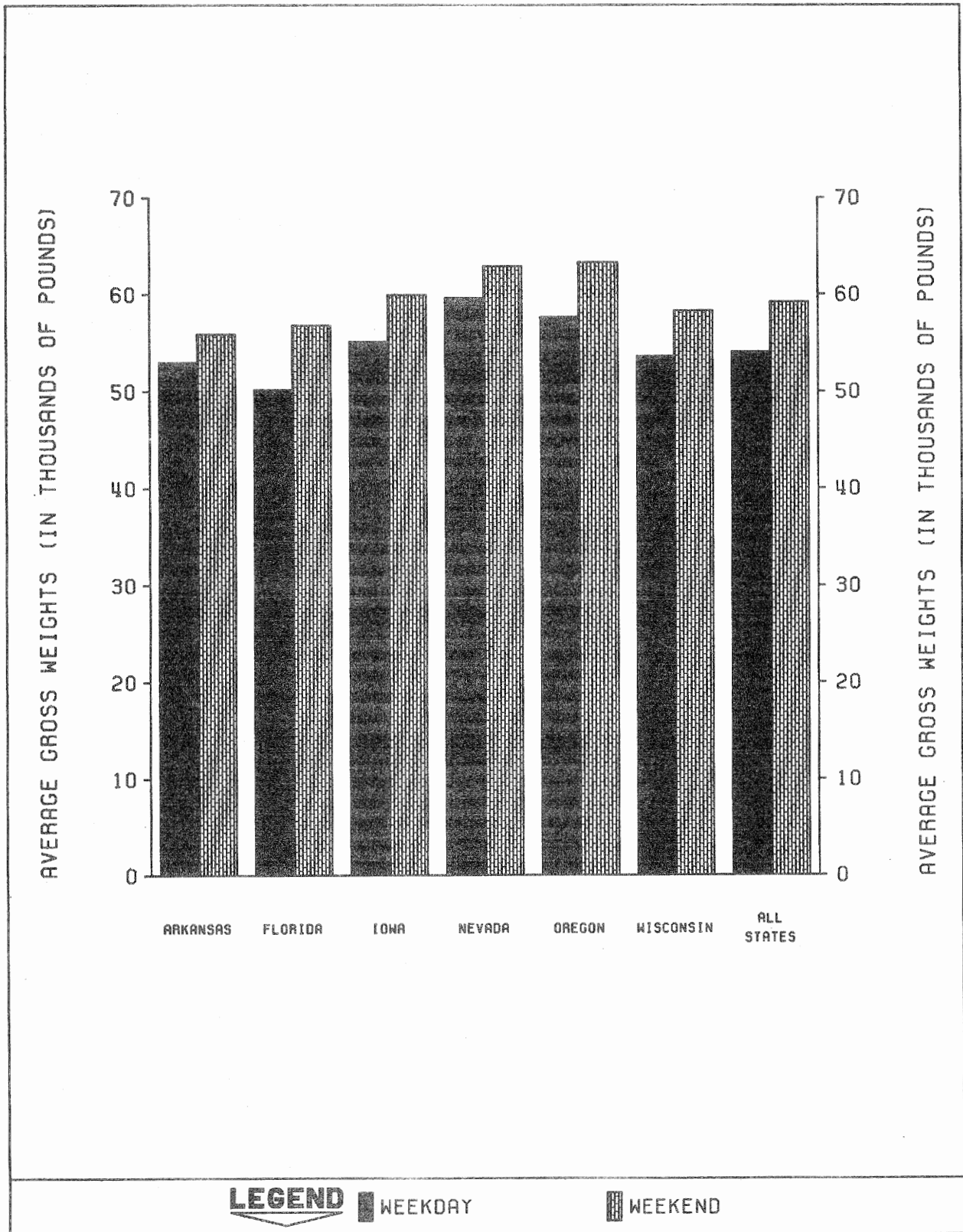
**FIGURE 7. WEEKDAY VERSUS WEEKEND 18-KIP EQUIVALENT AXLE LOADS (EAL)  
FOR RIGID PAVEMENT DESIGN (P = 2.5 AND D = 9)  
BY FUNCTIONAL CLASSIFICATION FOR VEHICLE TYPE 3S2**



**FIGURE 8. WEEKDAY VERSUS WEEKEND AVERAGE GROSS WEIGHTS  
BY SEASON FOR ALL FUNCTIONAL CLASSES COMBINED  
FOR VEHICLE TYPE 3S2**

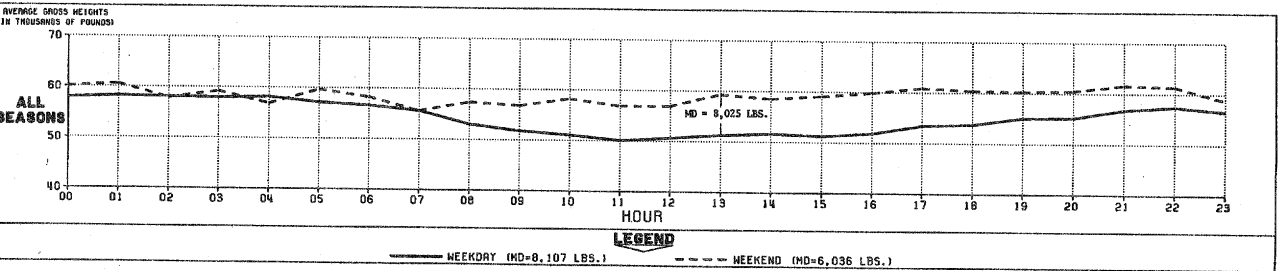
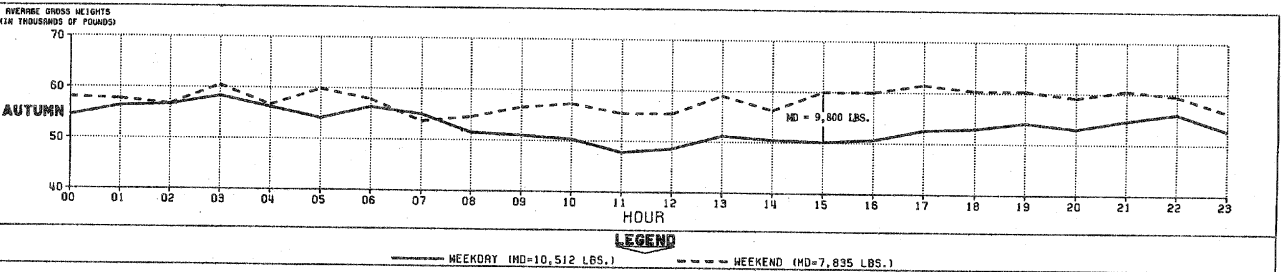
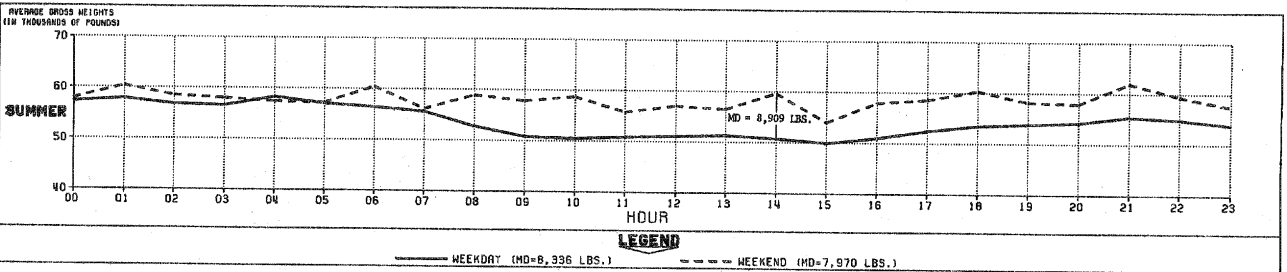
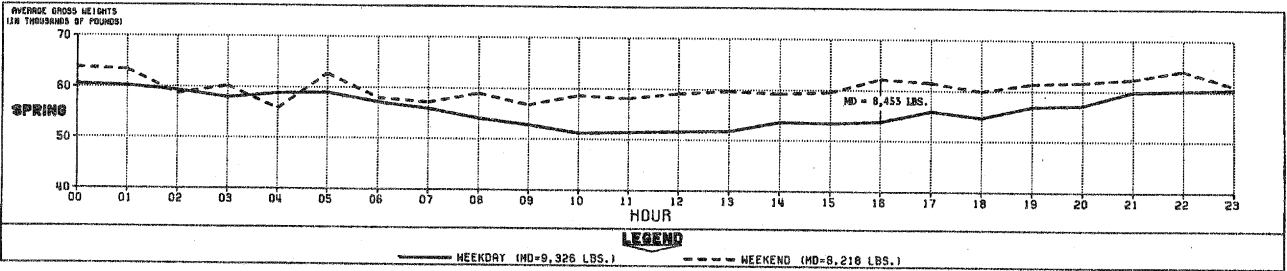
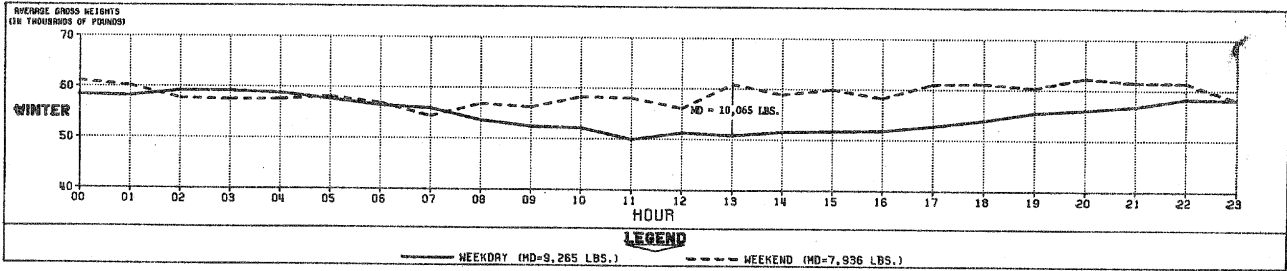


**FIGURE 9. WEEKDAY VERSUS WEEKEND AVERAGE GROSS WEIGHTS BY STATE FOR VEHICLE TYPE 3S2**





**FIGURE 10. WEEKDAY VERSUS WEEKEND AVERAGE GROSS WEIGHTS BY HOUR  
FOR ALL FUNCTIONAL CLASSES COMBINED FOR VEHICLE TYPE 392  
BY SEASON**



MD - MAXIMUM DIFFERENCE BETWEEN HOURLY WEIGHTS

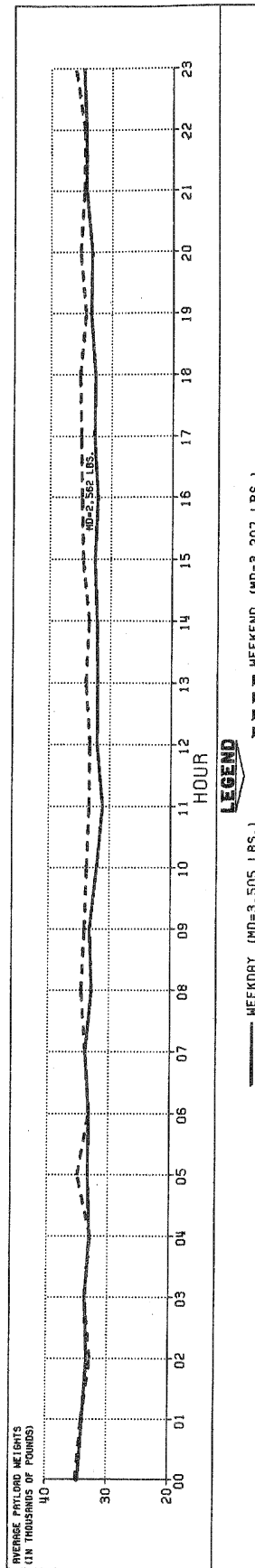
average weekday weights decreased in comparison to the weekend weights. The greatest difference occurred at 1:00 p.m. in the winter where the weekend weights were 20 percent higher than the weekday weights. The hours in which the maximum weight differences between the average weekday and weekend weights occurred are indicated in this figure.

Also, the variation of the weights during an average weekday was greater than the variation during an average weekend for every season as indicated in the figure. The variation between the highest and lowest average weekend weights was extremely consistent at 14.6 to 14.7 percent for every season. However, the variation for the average weekday weights ranged from 16 percent in summer to 22 percent in autumn.

In general, the average weekend weights were higher than the average weekday weights. The highest average weekend weights for one hour ranged from 61,558 pounds (autumn) to 64,127 pounds (spring) while the range of the highest average weekday weights was 58,327 pounds (summer) to 60,607 pounds (spring). The lowest average weekend weights for one hour ranged from 53,723 pounds (autumn) to 55,909 pounds (spring) while the range of the lowest average weekday weights was 47,890 pounds (autumn) to 51,281 pounds (spring).

Some of the reasons for the difference in average weekday and weekend weights of 3S2's by hour can be seen in Figure 11 which illustrates payload weight variation by hour for a 3S2 for all functional systems combined by weekday and weekend. The relationship between weekday and weekend by hour seems to be similar for both the average payload weights and the average gross weights. However, the greatest difference between the weekday and weekend average payload weights was 2,562 pounds (4:00 p.m.) while the difference in the average gross weights at the time was 8,005 pounds (Figure 10) which is over 200 percent higher. Therefore, it is assumed that the higher weights on weekends were not caused entirely by an increase in average payload. It appears that not only was the average payload heavier on weekends during daytime hours, but the percentage of loaded 3S2's was significantly higher on weekends.

**FIGURE 11. WEEKDAY VERSUS WEEKEND AVERAGE PAYLOAD WEIGHTS BY HOUR  
FOR ALL FUNCTIONAL CLASSES COMBINED FOR VEHICLE TYPE 3S2**



MD - MAXIMUM DIFFERENCE BETWEEN HOURLY WEIGHTS

### 3S2 Weight Variation By Design Type and Season

Weight variations among design types of highways for 3S2's are shown in Figure 12. The average day weight is shown for each season of the year.

There was only a slight variation in average day weight from season to season when all rural design types are combined and when all urban design types are combined. In this case, spring had the highest average day weight for both rural and urban areas. Rural design types exhibited a maximum of 3 percent (about 1600 pounds) seasonal difference while urban design types exhibited a maximum of 7 percent difference or about 3900 pounds. Overall, the rural and urban weights for all the seasons combined were approximately the same for 3S2's.

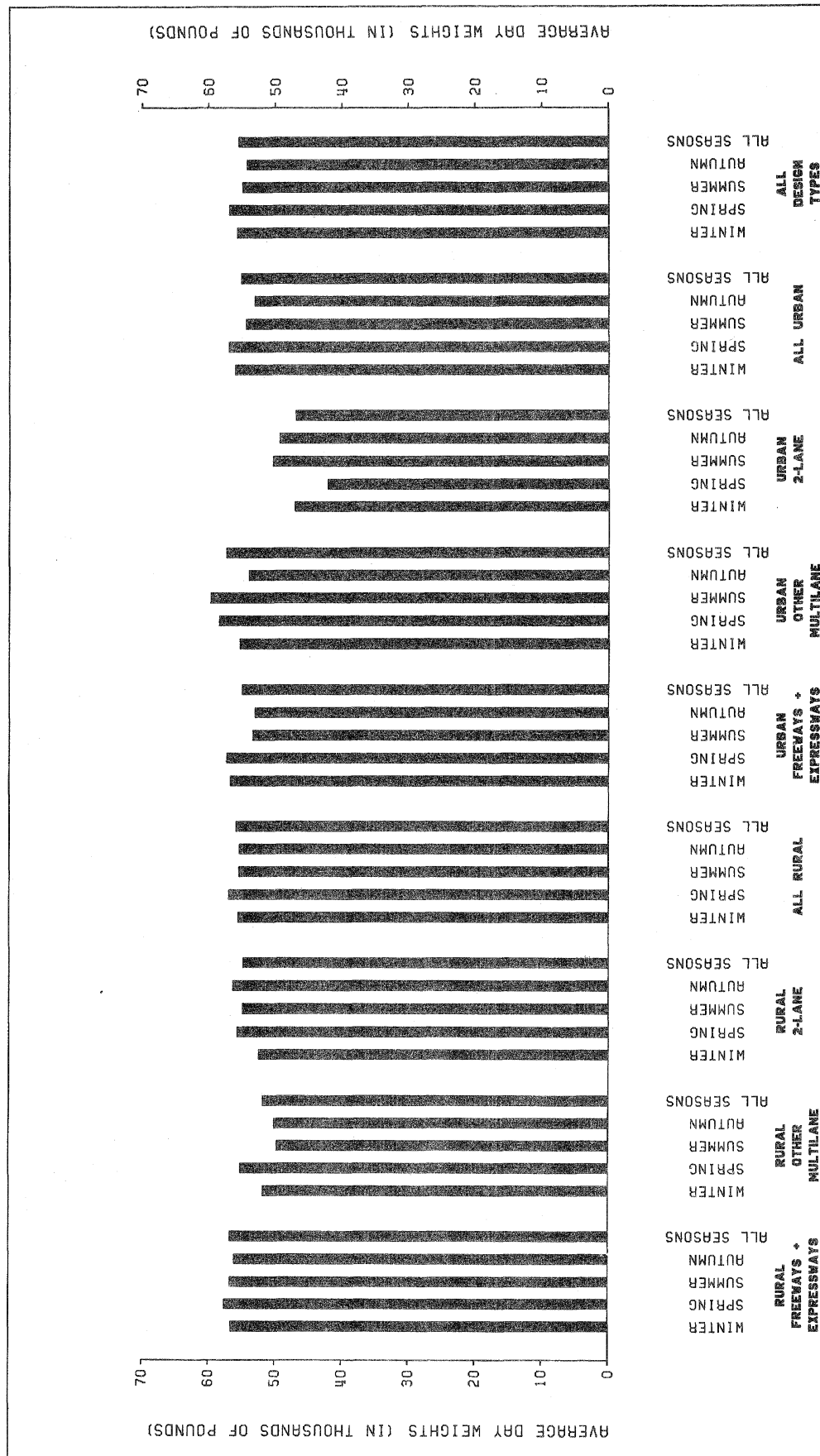
Seasonal 3S2 weight data within each design type, on the other hand, showed considerable variation. The largest variation between seasons was on urban 2-lane highways which showed 20 percent or 8,290 pounds difference between summer and spring. The least variation was on rural freeways and expressways with a maximum of 1,387 pounds or 2 percent difference between seasons. These results are very similar to those previously discussed for the urban minor arterials/collectors and rural Interstate functional classes.

For all seasons combined, the average day weight of a 3S2 was greatest on urban other multilane highways and least on urban 2-lane roads. This difference amounted to 10,339 pounds or 22 percent.

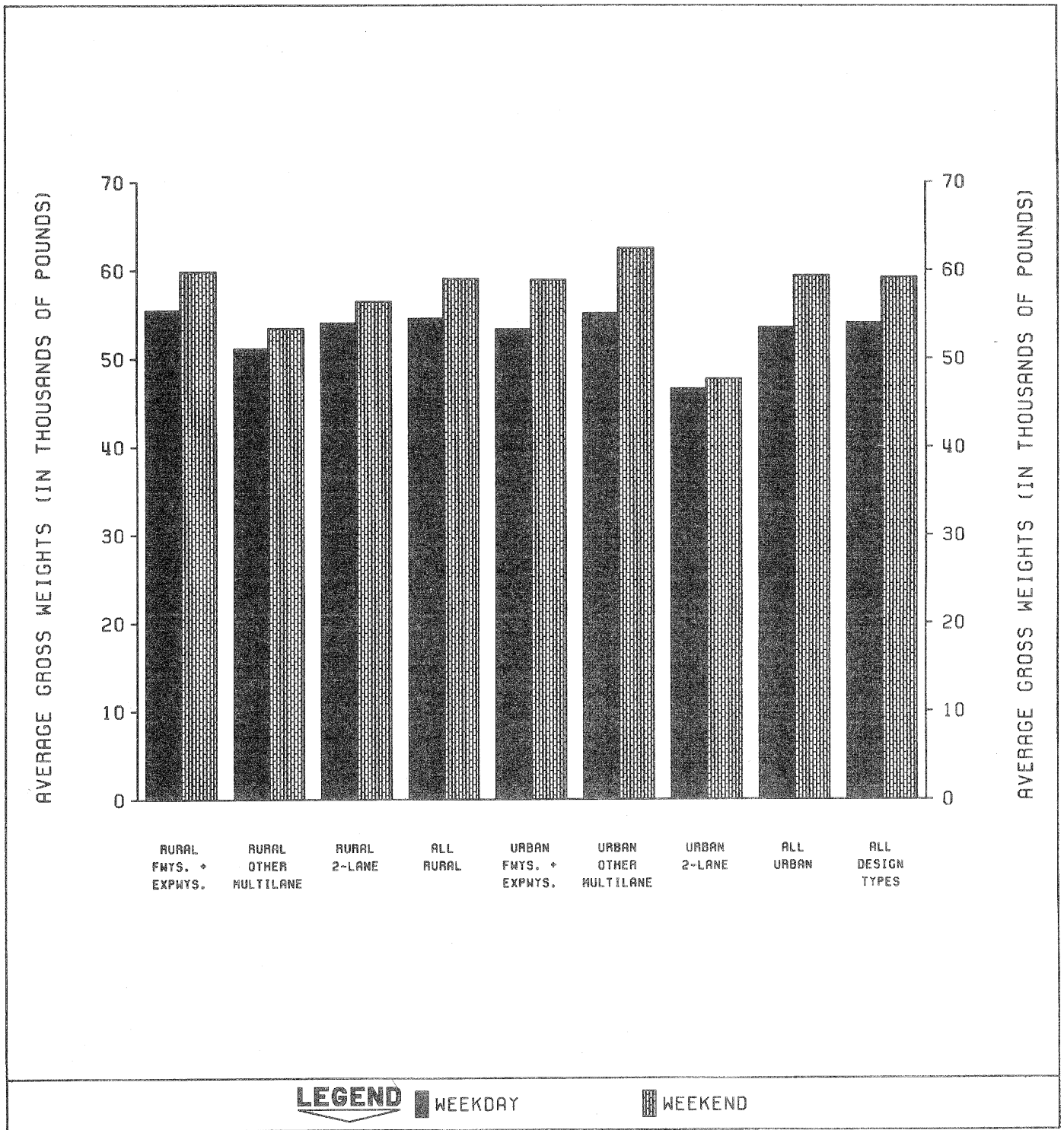
### 3S2 Weight Variation by Design Type and Weekday/Weekend

A comparison of average weekday and average weekend weights for 3S2's by design type is displayed in Figure 13. As with the functional classes, the average weekend weights were higher for every design type. The urban other multilane system showed the greatest weight increase from weekdays to weekends (13 percent) and the urban 2-lane system showed the least increase (2 percent). It is interesting to note that the highest average weekday weight occurred on rural freeways and expressways while the highest average weekend day weight occurred on urban other multilane highways.

FIGURE 12. SEASONAL VARIATION IN AVERAGE DAY WEIGHTS  
BY DESIGN TYPE FOR VEHICLE TYPE 3S2



**FIGURE 13. WEEKDAY VERSUS WEEKEND AVERAGE GROSS WEIGHTS BY DESIGN TYPE FOR VEHICLE TYPE 3S2**



HPMS TRUCK WEIGHT CASE STUDY  
APPENDIX





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Functional system average gross weights for all vehicle types are presented in this appendix for season of the year and day of the week. Due to the small number of vehicles weighed in some hours, functional system stratification by hour of the day for all vehicle types except 3S2's is shown for only combined seasons and days of the week. Complete functional system hourly data is presented for 3S2's since generally sufficient numbers of 3S2's were weighed. However, caution should be exercised in using the hourly data for 3S2's on the lower order functional systems since these systems contained the least number of 3S2's that were weighed.

Functional system 18-Kip equivalent axle loads (EAL) are also presented for each vehicle type by season of the year and weekday/weekend. Particular attention should be paid to the number of vehicles associated with each EAL value and appropriate judgment made on its usefulness on a nationwide or State by State basis. Hourly EAL values were not produced due to their limited usefulness and the lack of sufficient data.

In order to keep this appendix to a manageable level, only seasonal and day of week data are presented for design type and limited State data is given. Additional design type and State data are available upon request.

TABLE 1. AVERAGE GROSS WEIGHTS BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: BUSES

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	23	39,217	15	32,067	-	-	17	33,706	-	-	-	-	55	33,473
FLORIDA.....	780	26,961	325	21,879	-	-	194	13,364	840	17,853	-	-	2,179	21,379
IOWA.....	21	18,276	1	24,900	4	13,200	8	23,100	-	-	14	17,943	48	18,698
NEVADA.....	225	28,335	224	28,361	4	24,300	8	30,813	12	24,608	26	30,069	500	28,355
OREGON.....	4	33,725	2	26,050	-	-	15	33,267	-	-	-	-	21	32,667
WISCONSIN.....	-	-	-	-	-	-	-	-	29	25,669	-	-	29	25,669
TOTAL.....	1,054	27,265	567	24,729	8	18,750	242	16,925	861	18,202	40	25,825	2,792	22,950

- DATA NOT AVAILABLE.

TABLE 1. AVERAGE GROSS WEIGHTS BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 4 TIRE

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA.....	17,361	5,036	10,768	6,133	-	-	12,813	4,493	53,652	5,064	-	-	74,794	5,113
IOWA.....	1	5,800	4	7,850	39	5,269	6	7,700	6	7,400	129	5,091	185	5,371
NEVADA.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON.....	22	7,236	53	6,692	41	6,544	50	6,536	32	6,113	39	6,346	237	6,549
WISCONSIN.....	1	7,100	-	-	-	-	-	-	1	10,000	1	6,400	3	7,833
TOTAL.....	17,385	5,038	10,825	6,137	80	5,971	12,869	4,502	33,691	5,065	169	5,388	75,219	5,119

- DATA NOT AVAILABLE.

TABLE 1. AVERAGE GROSS WEIGHTS BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 6 TIRE

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	505	15,470	828	15,562	445	12,672	1,113	14,998	302	12,707	522	12,187	3,715	14,283
FLORIDA.....	5,797	11,287	3,367	13,089	-	-	2,817	10,996	6,757	12,238	-	-	18,738	14,910
IOWA.....	768	14,234	404	14,501	111	13,692	1,220	14,363	661	14,245	255	12,597	3,422	14,177
NEVADA.....	485	14,239	505	14,675	202	13,941	188	15,679	565	13,304	603	13,827	2,527	14,007
OREGON.....	789	14,377	767	13,673	467	13,699	1,279	13,094	638	14,670	834	12,093	4,574	13,659
WISCONSIN.....	362	13,344	719	13,826	912	12,440	-	-	593	11,599	499	12,042	3,285	12,772
TOTAL.....	8,886	12,925	6,590	13,731	2,137	12,970	6,517	12,829	9,516	12,579	2,516	12,974	36,262	12,812

- DATA NOT AVAILABLE.

TABLE 1. AVERAGE GROSS WEIGHTS BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: SINGLE UNIT - 3 AXLE OR MORE

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	144	27,706	254	28,430	94	25,679	338	26,558	58	29,869	137	23,616	1,025	26,315
FLORIDA.....	706	26,957	449	27,257	-	-	655	26,516	2,603	27,995	-	-	4,413	27,534
IOWA.....	475	27,058	197	28,091	69	27,680	696	25,336	435	29,060	112	25,321	1,984	26,919
NEVADA.....	76	28,037	141	32,911	36	31,978	165	33,902	133	34,606	266	34,336	817	33,556
OREGON.....	155	28,195	191	31,567	96	27,650	800	29,639	563	31,084	540	25,588	2,345	28,987
WISCONSIN.....	146	29,969	237	27,246	251	28,818	-	-	102	23,827	99	27,323	845	27,799
TOTAL.....	1,702	27,468	1,469	28,673	556	28,183	2,654	27,513	3,894	28,705	1,154	27,900	11,925	28,106

- DATA NOT AVAILABLE.

TABLE 1. AVERAGE GROSS WEIGHTS BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 3 AXLE

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	227	28,356	202	27,076	20	27,075	401	26,918	108	26,788	26	23,642	984	27,411
FLORIDA.....	306	27,495	133	27,463	-	-	334	26,365	199	27,098	-	-	972	27,021
IOWA.....	163	29,103	36	26,700	1	15,400	280	27,319	83	26,980	14	24,029	576	27,649
NEVADA.....	89	27,319	99	28,782	13	25,208	98	26,107	103	25,046	151	23,050	553	25,727
OREGON.....	212	28,877	130	27,273	46	23,820	297	26,771	137	23,677	132	22,648	960	26,128
WISCONSIN.....	194	30,447	66	26,338	33	22,645	-	-	59	22,329	21	20,076	273	25,973
TOTAL.....	1,091	28,464	666	27,511	113	24,280	1,410	26,779	681	25,638	350	22,796	4,318	26,763

- DATA NOT AVAILABLE.

TABLE 1. AVERAGE GROSS WEIGHTS BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE 2SD

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	131	36,528	307	35,329	104	32,772	767	35,033	64	30,513	34	34,138	2,007	35,339
FLORIDA.....	2,965	36,777	2,564	37,526	-	-	1,635	37,197	2,247	40,233	-	-	9,011	38,013
IOWA.....	876	37,135	172	38,777	12	36,525	1,115	35,843	221	36,222	65	35,926	2,461	36,598
NEVADA.....	194	36,837	54	36,037	8	36,650	155	36,968	27	32,730	28	33,250	466	37,164
OREGON.....	257	37,729	58	34,952	22	27,809	245	35,129	84	30,281	70	28,693	736	34,568
WISCONSIN.....	403	37,721	223	35,846	71	32,713	-	-	89	28,562	28	27,350	814	35,412
TOTAL.....	5,226	37,109	3,378	37,272	217	32,600	3,917	36,245	2,732	38,920	225	32,006	15,495	37,408

- DATA NOT AVAILABLE

TABLE 1. AVERAGE GROSS WEIGHTS BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE OTHER

STATE	RURAL INTERSTATE			RURAL OTHER PRINCIPAL ARTERIAL			RURAL MINOR ARTERIAL & COLLECTOR			URBAN INTERSTATE & OTHER F & E			URBAN OTHER PRINCIPAL ARTERIAL			URBAN MINOR ARTERIAL & COLLECTOR			ALL FUNCTIONAL CLASSES COMBINED		
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ARKANSAS.....	9	33,767		3	29,200		-	-		6	36,033		-	-		-	-		18	33,761	
FLORIDA.....	41	27,224		22	30,036		-	-		38	27,884		47	27,400		-	-		142	27,868	
IOWA.....	184	21,775		38	21,097		12	15,663		236	20,212		35	17,400		37	19,792		542	20,494	
NEVADA.....	16	26,769		23	30,478		3	32,967		11	30,527		4	30,300		6	30,267		63	29,683	
OREGON.....	103	28,426		45	28,409		14	23,529		151	25,796		36	28,339		44	26,652		393	27,033	
WISCONSIN.....	61	26,213		36	23,083		23	22,000		-	-		10	19,280		12	24,217		142	24,080	
TOTAL.....	414	25,685		167	26,111		52	21,587		442	23,251		132	24,477		59	24,012		1,306	24,313	

- DATA NOT AVAILABLE.

TABLE 1. AVERAGE GROSS WEIGHTS BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE 3S2

STATE	RURAL INTERSTATE			RURAL OTHER PRINCIPAL ARTERIAL			RURAL MINOR ARTERIAL & COLLECTOR			URBAN INTERSTATE & OTHER F & E			URBAN OTHER PRINCIPAL ARTERIAL			URBAN MINOR ARTERIAL & COLLECTOR			ALL FUNCTIONAL CLASSES COMBINED		
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ARKANSAS.....	8,498	55,189		4,208	51,146		326	48,960		9,029	54,036		587	46,239		383	49,326		23,031	53,594	
FLORIDA.....	7,859	52,123		6,734	51,187		-	-		15,589	59,875		6,123	60,066		-	-		26,305	51,130	
IOWA.....	18,864	57,285		1,808	56,920		89	48,178		15,192	55,553		2,314	53,476		337	50,274		38,704	56,278	
NEVADA.....	4,228	58,429		380	52,578		253	59,682		3,401	55,569		191	49,430		246	47,758		8,555	60,540	
OREGON.....	5,475	61,234		967	63,595		265	56,386		5,495	60,320		1,117	49,212		1,213	44,537		14,540	58,642	
WISCONSIN.....	5,821	57,405		1,601	47,916		783	49,301		-	-		278	47,093		101	39,562		8,584	51,771	
TOTAL.....	50,745	56,672		15,798	52,533		1,720	52,029		38,706	54,501		10,610	56,190		2,284	46,418		119,863	55,121	

- DATA NOT AVAILABLE.

TABLE 1. AVERAGE GROSS WEIGHTS BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE OTHER

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	115	53,481	10	48,420	2	36,850	68	55,571	1	43,800	-	-	200	53,655
FLORIDA.....	31	47,323	21	50,938	-	-	57	52,523	28	55,736	-	-	137	55,962
IOWA.....	854	65,819	64	52,970	6	41,300	796	62,177	31	51,874	14	41,943	1,076	63,193
NEVADA.....	1,330	59,649	238	64,702	87	70,246	855	54,959	56	44,282	123	48,979	2,585	61,010
OREGON.....	1,959	62,154	358	60,903	100	61,681	2,099	57,550	417	52,088	508	44,148	5,441	57,834
WISCONSIN.....	254	60,067	12	45,517	11	33,045	-	-	1	34,000	2	28,300	280	58,062
TOTAL.....	4,547	61,665	703	60,725	206	62,934	3,875	57,973	534	51,399	647	44,874	10,512	59,449

- DATA NOT AVAILABLE.

TABLE 1. AVERAGE GROSS WEIGHTS BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 6 AXLE OR MORE

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	67	71,358	26	62,677	4	35,325	51	65,145	3	54,833	4	37,625	155	65,737
FLORIDA.....	139	58,738	64	65,228	-	-	164	57,609	134	72,806	-	-	501	62,960
IOWA.....	170	58,068	14	68,271	1	53,400	201	60,846	14	64,550	5	57,520	405	60,005
NEVADA.....	410	78,491	47	63,970	25	82,340	242	74,246	3	53,267	6	58,600	733	76,024
OREGON.....	490	70,077	27	58,252	6	69,283	311	67,755	49	53,651	41	43,756	924	66,926
WISCONSIN.....	74	61,007	42	49,235	31	43,371	-	-	10	49,720	4	54,950	161	53,681
TOTAL.....	1,350	69,519	220	61,022	67	59,901	969	66,088	213	66,245	60	46,725	2,975	66,774

- DATA NOT AVAILABLE.



TABLE 2. AVERAGE GROSS WEIGHTS BY STATE AND DESIGN TYPE

HPMS VEHICLE CATEGORY: BUSES

STATE	RURAL						URBAN						TOTAL	
	FREELWAYS AND EXPRESSWAYS		OTHER MULTILANE		2 LANE		FREELWAYS AND EXPRESSWAYS		OTHER MULTILANE		2 LANE			
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		
ARKANSAS.....	23	34,217	13	32,623	2	28,450	17	33,706	-	-	-	-	55	33,473
FLORIDA.....	780	26,961	325	21,879	-	-	194	13,364	840	17,853	-	-	2,139	21,379
IOWA.....	21	18,276	-	-	5	15,540	8	23,100	14	17,943	-	-	48	18,698
NEVADA.....	450	28,348	-	-	4	24,300	19	26,637	27	30,278	-	-	500	28,355
OREGON.....	4	33,725	-	-	1	37,500	15	33,267	-	-	-	-	21	32,667
WISCONSIN.....	-	-	-	-	-	-	-	-	-	-	-	-	29	25,669
TOTAL.....	1,278	27,458	339	22,269	12	22,442	253	17,215	881	18,235	29	25,669	2,792	22,950

- DATA NOT AVAILABLE.

TABLE 2. AVERAGE GROSS WEIGHTS BY STATE AND DESIGN TYPE

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 4 TIRE

STATE	RURAL						URBAN						TOTAL	
	FREELWAYS AND EXPRESSWAYS		OTHER MULTILANE		2 LANE		FREELWAYS AND EXPRESSWAYS		OTHER MULTILANE		2 LANE			
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		
ARKANSAS.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA.....	17,551	5,036	10,768	6,133	-	-	12,813	4,493	33,652	5,064	-	-	74,794	5,113
IOWA.....	1	5,500	-	-	43	5,600	6	7,700	34	5,907	101	4,952	185	5,371
NEVADA.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON.....	22	7,236	43	6,467	51	6,763	50	6,538	40	6,350	31	6,100	237	6,549
WISCONSIN.....	1	7,100	-	-	-	-	1	10,000	-	-	1	6,400	3	7,833
TOTAL.....	17,585	5,038	10,811	6,135	94	6,231	12,870	4,503	33,726	5,066	133	5,231	75,219	5,119

- DATA NOT AVAILABLE.

TABLE 2. AVERAGE GROSS WEIGHTS BY STATE AND DESIGN TYPE

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 6 TIRE

STATE	RURAL						URBAN						TOTAL	
	FREWAYS AND EXPRESSWAYS		OTHER MULTILANE		2 LANE		FREWAYS AND EXPRESSWAYS		OTHER MULTILANE		2 LANE			
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		
ARKANSAS	305	15,470	416	15,498	857	13,899	1,113	14,998	302	12,707	522	12,187	3,715	14,283
FLORIDA	5,797	11,287	3,367	13,080	-	-	2,817	10,996	6,757	12,238	-	-	18,738	11,910
IOWA	768	14,234	-	-	515	14,327	1,220	14,363	853	13,841	67	13,024	3,423	14,177
NEVADA	970	14,466	-	-	202	13,941	743	14,161	612	13,115	-	-	2,927	14,007
OREGON	789	14,377	461	13,598	773	13,734	1,279	13,094	619	13,512	653	13,266	4,574	13,659
WISCONSIN	562	13,844	326	13,956	1,305	12,825	366	11,459	-	-	726	11,974	3,285	12,772
TOTAL	9,391	12,546	4,570	13,422	3,652	13,543	7,538	12,822	9,143	12,548	1,968	12,495	36,262	12,812

- DATA NOT AVAILABLE.

TABLE 2. AVERAGE GROSS WEIGHTS BY STATE AND DESIGN TYPE

HPMS VEHICLE CATEGORY: SINGLE UNIT - 3 AXLE OR MORE

STATE	RURAL						URBAN						TOTAL	
	FREWAYS AND EXPRESSWAYS		OTHER MULTILANE		2 LANE		FREWAYS AND EXPRESSWAYS		OTHER MULTILANE		2 LANE			
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		
ARKANSAS	144	27,706	108	24,834	240	29,048	338	26,558	58	29,869	137	23,616	1,025	26,915
FLORIDA	706	26,937	449	27,257	-	-	655	26,516	2,603	27,929	-	-	4,413	27,534
IOWA	475	27,058	-	-	266	27,985	696	29,336	503	28,399	44	27,091	1,984	26,919
NEVADA	217	31,204	-	-	36	31,978	322	32,926	242	36,066	-	-	817	33,356
OREGON	155	28,195	145	31,523	142	28,564	800	29,639	827	29,941	276	23,364	2,845	28,987
WISCONSIN	146	25,769	96	26,708	402	28,395	78	23,390	-	-	123	26,919	845	27,799
TOTAL	1,683	27,884	798	27,638	1,086	28,632	2,889	27,732	4,233	28,910	580	24,460	11,429	28,106

- DATA NOT AVAILABLE.

TABLE 2. AVERAGE GROSS WEIGHTS BY STATE AND DESIGN TYPE

HPMS VEHICLE CATEGORY: COMBINATION - 3 AXLE

STATE	URBAN												TOTAL							
	RURAL						URBAN													
	FREEMWAYS AND EXPRESSWAYS			OTHER MULTILANE			2 LANE			FREEMWAYS AND EXPRESSWAYS				OTHER MULTILANE			2 LANE			
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT			VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		
ARKANSAS.....	227	28,556		90	26,893		132	28,545		401	26,718		108	26,788		26	23,642		984	27,811
FLORIDA.....	306	27,429		133	27,463		-	-		334	26,365		199	27,098		-	-		572	27,021
IOWA.....	163	29,103		-	-		37	26,589		280	27,319		94	26,934		2	8,500		576	27,649
NEVADA.....	182	28,089		-	-		13	25,208		264	24,140		88	25,520		-	-		553	25,727
OREGON.....	212	28,877		80	26,442		96	26,310		297	26,771		99	21,600		176	24,035		360	26,128
WISCONSIN.....	94	30,447		37	26,595		62	24,284		40	23,355		-	-		40	19,520		273	25,973
TOTAL.....	1,190	28,471		340	26,778		340	26,797		1,616	26,319		588	25,853		244	23,120		4,318	26,763

- DATA NOT AVAILABLE.

TABLE 2. AVERAGE GROSS WEIGHTS BY STATE AND DESIGN TYPE

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE 2S2

STATE	URBAN												TOTAL							
	RURAL						URBAN													
	FREEMWAYS AND EXPRESSWAYS			OTHER MULTILANE			2 LANE			FREEMWAYS AND EXPRESSWAYS				OTHER MULTILANE			2 LANE			
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT			VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE
ARKANSAS.....	733	36,528		172	35,494		239	34,098		767	35,313		64	30,513		34	34,138		2,307	35,339
FLORIDA.....	2,069	36,977		2,564	37,626		-	-		1,635	37,197		2,247	40,233		-	-		9,911	36,013
IOWA.....	876	37,135		-	-		184	38,630		1,415	35,843		282	36,260		4	28,775		2,461	36,548
NEVADA.....	248	38,227		-	-		8	36,650		181	35,231		29	34,031		-	-		466	37,164
OREGON.....	257	37,739		37	36,203		43	29,007		245	35,129		65	30,575		89	28,817		736	37,568
WISCONSIN.....	403	37,721		147	35,795		147	34,383		65	29,517		-	-		52	26,715		814	35,412
TOTAL.....	5,080	37,098		2,920	37,390		521	35,189		4,008	36,108		2,687	39,284		179	29,216		15,495	37,108

- DATA NOT AVAILABLE.

TABLE 2. AVERAGE GROSS WEIGHTS BY STATE AND DESIGN TYPE

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE OTHER

STATE	RURAL						URBAN						TOTAL	
	FREEWAYS AND EXPRESSWAYS		OTHER MULTILANE		2 LANE		FREEWAYS AND EXPRESSWAYS		OTHER MULTILANE		2 LANE		VEHI- AVERAGE GROSS WEIGHT	
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	9	33,757	3	29,200	-	-	6	36,333	-	-	-	-	18	33,761
FLORIDA.....	41	27,224	22	30,036	-	-	38	27,884	47	27,400	-	-	148	27,868
IOWA.....	184	21,775	-	-	50	19,798	236	20,212	55	19,405	17	16,118	542	20,494
NEVADA.....	35	29,038	-	-	3	32,967	19	29,411	2	39,900	-	-	63	29,683
OREGON.....	103	28,426	31	29,416	28	24,854	151	25,796	23	29,109	57	26,726	393	27,033
WISCONSIN.....	61	26,213	27	22,533	52	22,888	10	19,280	-	-	12	24,217	142	24,080
TOTAL.....	437	25,368	83	27,288	113	22,275	460	23,245	127	24,444	86	24,275	1,306	24,315

- DATA NOT AVAILABLE.

TABLE 2. AVERAGE GROSS WEIGHTS BY STATE AND DESIGN TYPE

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE 3S2

STATE	RURAL						URBAN						TOTAL	
	FREEWAYS AND EXPRESSWAYS		OTHER MULTILANE		2 LANE		FREEWAYS AND EXPRESSWAYS		OTHER MULTILANE		2 LANE		VEHI- AVERAGE GROSS WEIGHT	
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	8,498	55,189	3,034	51,242	1,500	50,477	9,029	54,036	587	46,239	383	49,926	23,031	53,594
FLORIDA.....	7,855	52,123	6,734	51,187	-	-	5,589	39,675	6,123	60,066	-	-	26,305	51,150
IOWA.....	18,564	57,285	-	-	1,997	56,530	15,192	55,553	2,617	53,150	34	46,882	38,704	56,273
NEVADA.....	4,508	57,946	-	-	253	59,602	3,608	64,611	230	49,659	-	-	8,699	60,540
OREGON.....	5,475	61,254	353	57,788	883	63,725	5,495	60,320	1,150	47,450	1,184	46,067	14,540	58,642
WISCONSIN.....	5,821	57,406	977	52,058	1,407	48,378	220	46,816	-	-	159	42,694	8,584	54,771
TOTAL.....	51,125	56,642	11,098	51,487	6,040	54,308	39,133	54,419	10,707	56,045	1,760	46,618	119,863	55,121

- DATA NOT AVAILABLE.

TABLE 2. AVERAGE GROSS WEIGHTS BY STATE AND DESIGN TYPE

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE OTHER

STATE	RURAL						URBAN						TOTAL	
	FREEWAYS AND EXPRESSWAYS		OTHER MULTILANE		2 LANE		FREEWAYS AND EXPRESSWAYS		OTHER MULTILANE		2 LANE			
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		
ARKANSAS.....	119	53,481	8	46,663	4	46,150	68	55,371	1	43,800	-	-	200	53,655
FLORIDA.....	31	47,323	21	50,938	-	-	57	62,623	28	55,736	-	-	137	59,962
IOWA.....	854	65,819	-	-	70	51,970	796	62,177	43	49,812	-	-	1,765	63,193
NEVADA.....	1,568	60,416	-	-	87	70,246	969	61,905	65	49,643	-	-	2,689	61,010
OREGON.....	1,959	62,134	155	54,366	303	64,493	2,099	57,550	556	49,003	369	45,805	5,441	57,834
WISCONSIN.....	254	60,067	5	42,300	18	38,789	1	34,000	-	-	2	28,300	280	58,062
TOTAL.....	4,785	61,816	189	53,357	482	62,600	3,990	59,560	693	49,377	373	45,609	10,512	59,449

- DATA NOT AVAILABLE.

TABLE 2. AVERAGE GROSS WEIGHTS BY STATE AND DESIGN TYPE

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE OR MORE

STATE	RURAL						URBAN						TOTAL	
	FREEWAYS AND EXPRESSWAYS		OTHER MULTILANE		2 LANE		FREEWAYS AND EXPRESSWAYS		OTHER MULTILANE		2 LANE			
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		
ARKANSAS.....	67	71,358	17	61,141	13	56,269	51	65,145	3	54,833	4	37,625	155	65,737
FLORIDA.....	139	58,738	54	65,228	-	-	164	57,509	134	72,906	-	-	501	62,969
IOWA.....	170	58,068	-	-	15	67,280	201	60,846	18	64,317	-	-	405	60,005
NEVADA.....	457	76,398	-	-	25	82,340	249	73,687	2	65,450	-	-	733	76,024
OREGON.....	490	75,077	10	56,940	23	62,522	311	67,755	38	51,582	52	47,362	924	66,326
WISCONSIN.....	74	61,007	34	47,408	39	46,064	9	50,867	-	-	5	51,240	163	53,681
TOTAL.....	1,597	69,332	125	59,184	115	61,163	985	65,866	195	67,534	62	46,873	2,879	66,774

- DATA NOT AVAILABLE.

TABLE 3. AVERAGE GROSS WEIGHTS BY STATE AND SEASON

HPMS VEHICLE CATEGORY: BUSES

STATE	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS	8	34,033	-	-	-	-	47	33,377	55	33,473
FLORIDA	586	19,717	788	22,839	336	24,068	429	18,764	2,139	21,879
IOWA	2	19,850	4	17,700	27	17,941	15	20,307	48	18,938
NEVADA	105	27,408	131	28,234	105	27,378	159	29,721	500	28,355
OREGON	-	-	3	34,703	6	30,750	12	33,117	21	32,667
WISCONSIN	-	-	-	-	-	-	29	25,669	29	25,669
TOTAL	701	21,050	925	23,652	474	24,536	691	22,854	2,792	22,950

- DATA NOT AVAILABLE.

TABLE 3. AVERAGE GROSS WEIGHTS BY STATE AND SEASON

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 4 WHEEL

STATE	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS	-	-	-	-	-	-	-	-	-	-
FLORIDA	18,963	5,208	20,961	5,284	15,485	5,091	15,365	4,905	74,734	5,113
IOWA	-	-	3	6,300	131	5,324	51	5,437	185	5,371
NEVADA	-	-	-	-	-	-	-	-	-	-
OREGON	36	6,544	67	6,472	70	6,843	64	6,513	237	6,549
WISCONSIN	-	-	1	7,100	-	-	2	8,200	3	7,833
TOTAL	18,999	5,210	21,032	5,288	15,686	5,083	15,502	4,914	75,219	5,119

- DATA NOT AVAILABLE

TABLE 3. AVERAGE GROSS WEIGHTS BY STATE AND SEASON  
 HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 6 TIRE

STATE	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS	907	14,493	864	14,003	831	14,445	1,113	14,210	3,715	14,283
FLORIDA	4,764	12,012	4,771	12,580	5,243	11,747	3,960	11,195	18,738	11,910
IOWA	711	14,151	850	14,498	924	13,802	938	14,244	3,423	14,177
NEVADA	432	13,948	770	13,733	622	14,842	697	13,577	2,527	14,007
OREGON	876	13,201	1,419	13,684	1,163	13,797	1,116	13,843	4,574	13,659
WISCONSIN	911	13,831	926	12,302	627	12,111	821	12,629	3,285	12,772
TOTAL	8,637	12,867	9,600	13,107	5,410	12,669	8,645	12,934	36,262	12,812

- DATA NOT AVAILABLE.

TABLE 3. AVERAGE GROSS WEIGHTS BY STATE AND SEASON  
 HPMS VEHICLE CATEGORY: SINGLE UNIT - 3 AXLE OR MORE

STATE	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS	262	27,072	65	21,156	263	27,087	415	27,600	1,029	26,915
FLORIDA	1,542	25,614	1,159	30,211	882	27,193	820	27,695	4,413	27,534
IOWA	494	27,302	537	27,070	429	25,888	524	26,984	1,984	26,919
NEVADA	156	30,073	241	33,651	201	32,731	219	35,689	817	33,356
OREGON	459	25,753	724	23,110	708	29,352	456	33,071	2,345	28,987
WISCONSIN	262	28,657	228	23,963	147	29,793	208	29,436	845	27,979
TOTAL	3,175	25,532	2,964	28,900	2,648	27,946	2,642	29,267	11,429	28,106

- DATA NOT AVAILABLE

TABLE 3. AVERAGE GROSS WEIGHTS BY STATE AND SEASON

HPMS VEHICLE CATEGORY: COMBINATION - 3 AXLE

STATE	WINTER			SPRING			SUMMER			AUTUMN			ALL SEASONS		
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	
	ARKANSAS.....	217	27,626	427	26,785	142	28,987	198	27,467	984	27,911	27,911	984	27,911	
FLORIDA.....	174	25,951	288	26,307	318	26,661	272	26,504	972	27,021	27,021	972	27,021		
IOWA.....	137	27,881	168	27,963	125	27,558	146	27,147	576	27,643	27,643	576	27,643		
NEVADA.....	116	25,084	131	24,693	152	25,515	144	27,087	553	25,727	25,727	553	25,727		
OREGON.....	212	25,452	310	26,121	237	26,223	201	26,741	960	26,128	26,128	960	26,128		
WISCONSIN.....	88	27,688	90	25,498	44	24,559	51	25,073	273	25,973	25,973	273	25,973		
TOTAL.....	944	26,744	1,334	26,724	1,028	26,753	1,012	26,843	4,318	26,753	26,753	4,318	26,753		

TABLE 3. AVERAGE GROSS WEIGHTS BY STATE AND SEASON

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE 2S2

STATE	WINTER			SPRING			SUMMER			AUTUMN			ALL SEASONS		
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	
	ARKANSAS.....	428	36,274	566	34,352	401	35,825	612	35,232	2,007	35,339	35,339	2,007	35,339	
FLORIDA.....	2,450	37,501	2,074	37,985	2,414	38,233	2,073	35,272	9,011	38,013	38,013	9,011	38,013		
IOWA.....	617	35,863	622	36,260	612	37,236	610	36,844	2,461	36,548	36,548	2,461	36,548		
NEVADA.....	81	33,375	140	37,354	115	38,319	130	38,298	456	37,154	37,154	456	37,154		
OREGON.....	131	35,987	214	32,531	178	36,002	213	34,850	736	34,558	34,558	736	34,558		
WISCONSIN.....	324	36,875	182	34,864	173	33,245	135	35,420	814	35,412	35,412	814	35,412		
TOTAL.....	4,031	36,982	3,798	37,773	3,893	37,514	3,775	36,155	15,495	37,108	37,108	15,495	37,108		

- DATA NOT AVAILABLE



TABLE 3. AVERAGE GROSS WEIGHTS BY STATE AND SEASON

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE OTHER

STATE	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	-	-	-	-	4	29,125	14	35,086	18	33,761
FLORIDA.....	33	24,745	30	29,997	44	26,950	41	29,807	148	27,858
IOWA.....	86	23,235	128	21,235	155	19,331	173	19,623	542	20,474
NEVADA.....	11	29,582	19	26,747	16	23,625	17	33,882	63	29,883
OREGON.....	74	27,018	126	23,784	84	26,689	109	28,750	353	27,033
WISCONSIN.....	41	27,376	37	23,689	46	20,557	18	26,333	142	24,080
TOTAL.....	245	25,859	340	24,255	349	22,808	372	24,945	1,306	24,813

- DATA NOT AVAILABLE.

TABLE 3. AVERAGE GROSS WEIGHTS BY STATE AND SEASON

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE 3S2

STATE	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	6,197	54,145	6,485	53,435	4,457	53,521	5,892	53,246	23,031	53,594
FLORIDA.....	5,511	52,409	7,356	58,334	7,391	48,332	6,047	44,622	26,305	51,150
IOWA.....	9,652	55,862	10,455	56,438	9,220	57,023	9,376	55,794	38,704	56,278
NEVADA.....	1,462	59,694	2,802	60,341	2,170	59,982	2,245	64,883	8,599	60,040
OREGON.....	2,904	58,282	4,240	57,353	3,474	58,555	3,922	60,381	14,540	58,642
WISCONSIN.....	4,223	56,051	1,772	54,573	1,577	52,879	942	52,469	8,584	54,771
TOTAL.....	30,039	56,324	33,411	56,619	28,289	54,395	26,424	53,893	119,863	56,121

- DATA NOT AVAILABLE.

TABLE 3c. AVERAGE GROSS WEIGHTS BY STATE AND SEASON

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE OTHER

STATE	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	60	53,347	5	48,040	45	56,096	90	52,951	200	53,655
FLORIDA.....	36	45,736	16	57,917	39	52,754	46	60,070	137	55,762
IOWA.....	397	63,893	489	63,054	460	53,373	419	62,483	1,765	63,193
NEVADA.....	611	51,092	747	59,939	697	60,197	634	63,016	2,689	51,010
OREGON.....	1,036	60,104	1,627	53,834	1,258	58,526	1,520	59,666	5,441	57,934
WISCONSIN.....	153	60,032	52	50,759	57	55,670	18	52,022	280	58,062
TOTAL.....	2,293	50,616	2,935	57,004	2,556	52,968	2,727	60,612	10,512	59,449

TABLE 3c. AVERAGE GROSS WEIGHTS BY STATE AND SEASON

HPMS VEHICLE CATEGORY: COMBINATION - 6 AXLE OR MORE

STATE	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	35	66,720	47	67,281	21	63,867	92	64,437	155	65,737
FLORIDA.....	101	66,475	102	67,711	141	58,567	157	61,559	501	62,960
IOWA.....	104	65,252	119	57,022	86	60,013	96	58,014	405	60,005
NEVADA.....	142	74,478	227	73,888	218	79,967	146	74,760	733	76,024
OREGON.....	113	61,967	223	64,096	276	67,950	310	69,843	924	66,726
WISCONSIN.....	70	57,149	34	51,585	38	49,624	19	52,768	161	53,681
TOTAL.....	565	56,223	732	60,056	782	67,735	760	66,301	2,879	66,774

TABLE 4. AVERAGE GROSS WEIGHTS BY STATE AND WEEKDAY / WEEKEND

HPMS VEHICLE CATEGORY: BUSES

STATE	WEEKDAY		WEEKEND		ALL DAYS COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	55	33,473	-	-	55	33,473
FLORIDA.....	1,659	19,973	430	26,221	2,139	21,379
IOWA.....	38	19,545	10	15,480	48	18,628
NEVADA.....	409	28,355	91	28,352	500	28,355
OREGON.....	16	34,188	5	27,800	21	32,667
WISCONSIN.....	29	25,669	-	-	29	25,669
TOTAL.....	2,206	22,038	586	26,382	2,792	22,950

- DATA NOT AVAILABLE.

TABLE 4. AVERAGE GROSS WEIGHTS BY STATE AND WEEKDAY / WEEKEND

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 4 TIRE

STATE	WEEKDAY		WEEKEND		ALL DAYS COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	-	-	-	-	-	-
FLORIDA.....	56,620	5,099	18,174	5,153	74,794	5,113
IOWA.....	135	5,512	50	4,990	185	5,371
NEVADA.....	-	-	-	-	-	-
OREGON.....	214	6,632	23	5,783	237	6,549
WISCONSIN.....	2	6,750	1	10,000	3	7,833
TOTAL.....	56,971	5,105	18,248	5,160	75,219	5,119

- DATA NOT AVAILABLE

TABLE 4. AVERAGE GROSS WEIGHTS BY STATE AND WEEKDAY / WEEKEND

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 6 TIRE

STATE	WEEKDAY		WEEKEND		ALL DAYS COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	3,302	14,301	413	14,146	3,715	14,283
FLORIDA.....	15,972	12,057	2,766	11,062	18,738	11,910
IOWA.....	2,988	14,248	435	13,687	3,423	14,177
NEVADA.....	2,064	14,275	463	12,813	2,527	14,007
OREGON.....	4,109	13,705	465	13,243	4,574	13,659
WISCONSIN.....	2,820	12,837	465	12,371	3,285	12,772
TOTAL.....	31,255	12,937	5,007	12,031	36,262	12,812

- DATA NOT AVAILABLE.

TABLE 4. AVERAGE GROSS WEIGHTS BY STATE AND WEEKDAY / WEEKEND

HPMS VEHICLE CATEGORY: SINGLE UNIT - 3 AXLE OR MORE

STATE	WEEKDAY		WEEKEND		ALL DAYS COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	930	27,376	95	22,399	1,025	26,915
FLORIDA.....	4,008	27,947	405	23,453	4,413	27,534
IOWA.....	1,753	27,058	251	23,863	1,994	26,919
NEVADA.....	724	33,691	93	31,140	817	33,356
OREGON.....	2,245	29,014	100	28,395	2,345	28,987
WISCONSIN.....	718	28,284	127	25,055	845	27,799
TOTAL.....	10,378	28,377	1,051	25,231	11,429	28,106

- DATA NOT AVAILABLE

TABLE 4. AVERAGE GROSS WEIGHTS BY STATE AND WEEKDAY / WEEKEND  
 HPMS VEHICLE CATEGORY: COMBINATION - 3 AXLE

STATE	WEEKDAY		WEEKEND		ALL DAYS COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	878	27,355	106	27,873	984	27,411
FLORIDA.....	874	26,961	98	27,559	972	27,021
IOWA.....	496	27,584	80	28,054	576	27,649
NEVADA.....	521	25,887	32	23,128	553	25,727
OREGON.....	864	25,952	96	27,653	960	26,128
WISCONSIN.....	243	25,652	30	28,570	273	25,973
TOTAL.....	3,876	25,680	442	27,492	4,318	26,763

TABLE 4. AVERAGE GROSS WEIGHTS BY STATE AND WEEKDAY / WEEKEND  
 HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE 2S2

STATE	WEEKDAY		WEEKEND		ALL DAYS COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	1,725	35,189	282	36,256	2,007	35,339
FLORIDA.....	8,094	38,059	917	37,610	9,011	38,013
IOWA.....	2,061	36,062	400	39,051	2,461	36,548
NEVADA.....	353	36,776	113	38,374	466	37,134
OREGON.....	611	33,816	125	38,245	736	34,858
WISCONSIN.....	566	34,719	148	36,534	714	35,412
TOTAL.....	13,510	36,998	1,985	37,861	15,495	37,103

- DATA NOT AVAILABLE

TABLE 4. AVERAGE GROSS WEIGHTS BY STATE AND WEEKDAY / WEEKEND

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE OTHER

STATE	WEEKDAY		WEEKEND		ALL DAYS COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	17	34,018	1	29,400	18	33,761
FLORIDA.....	136	28,107	12	25,158	148	27,868
IOWA.....	415	21,132	127	18,403	542	20,494
NEVADA.....	58	30,183	5	23,880	53	29,683
OREGON.....	325	27,012	68	27,132	393	27,033
WISCONSIN.....	101	24,908	41	22,041	142	24,080
TOTAL.....	1,052	24,920	254	21,801	1,306	24,313

TABLE 4. AVERAGE GROSS WEIGHTS BY STATE AND WEEKDAY / WEEKEND

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE 3S2

STATE	WEEKDAY		WEEKEND		ALL DAYS COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	18,273	52,995	4,758	55,897	23,031	53,524
FLORIDA.....	22,837	50,215	3,668	56,778	26,505	51,130
IOWA.....	29,337	55,107	9,367	59,939	38,704	56,278
NEVADA.....	6,339	59,658	2,360	62,908	8,699	50,540
OREGON.....	12,009	57,860	2,531	63,305	14,540	58,642
WISCONSIN.....	6,460	53,611	2,124	58,500	8,584	54,771
TOTAL.....	95,055	54,061	24,808	59,182	119,863	55,121

- DATA NOT AVAILABLE

TABLE 4. AVERAGE GROSS WEIGHTS BY STATE AND WEEKDAY / WEEKEND

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE OTHER

STATE	WEEKDAY		WEEKEND		ALL DAYS COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	144	52,922	56	55,543	200	53,655
FLORIDA.....	126	57,044	11	43,564	137	55,962
IOWA.....	1,316	61,740	449	67,452	1,765	63,193
NEVADA.....	2,252	61,738	447	57,359	2,689	61,010
OREGON.....	4,478	57,401	963	59,849	5,441	57,834
WISCONSIN.....	212	56,691	68	62,337	280	58,032
TOTAL.....	8,518	59,114	1,974	60,877	10,512	59,449

TABLE 4. AVERAGE GROSS WEIGHTS BY STATE AND WEEKDAY / WEEKEND

HPMS VEHICLE CATEGORY: COMBINATION - 6 AXLE OR MORE

STATE	WEEKDAY		WEEKEND		ALL DAYS COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	133	68,236	22	50,632	155	65,737
FLORIDA.....	446	62,542	55	60,349	501	62,980
IOWA.....	313	59,301	92	62,402	405	60,005
NEVADA.....	518	74,423	215	79,875	733	76,024
OREGON.....	758	65,890	166	71,655	924	66,926
WISCONSIN.....	137	54,364	24	49,779	161	53,681
TOTAL.....	2,305	65,716	574	71,022	2,879	66,774

TABLE 5. AVERAGE GROSS WEIGHTS BY STATE AND HOUR

HPMS VEHICLE CATEGORY: BUSES

HOUR	ARKANSAS			FLORIDA			IOWA			NEVADA			OREGON			WISCONSIN			TOTAL					
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT				
00	-	-	-	79	24,455	-	-	-	4	33,325	-	-	-	-	-	-	-	-	-	-	-	-	83	24,892
01	-	-	-	20	18,685	-	1	13,800	10	31,450	-	-	-	-	-	-	-	-	-	-	-	-	31	22,545
02	-	-	-	9	20,722	-	-	-	3	24,100	-	-	-	-	-	-	-	-	-	-	-	-	12	21,567
03	1	32,800	-	8	21,753	-	2	18,900	2	28,200	-	-	-	-	-	-	-	-	-	-	-	-	13	23,100
04	-	-	-	25	24,872	-	-	-	13	29,600	-	-	-	-	-	-	-	-	-	-	-	-	38	26,489
05	-	-	-	28	24,007	-	1	39,900	11	31,982	-	-	-	-	-	-	-	-	-	-	-	-	40	26,937
06	4	33,850	-	174	23,753	-	-	-	68	25,365	-	-	-	-	-	-	-	-	-	-	-	-	246	25,469
07	5	52,140	-	190	17,924	-	-	-	21	27,190	-	-	-	-	-	-	-	-	-	-	-	-	220	19,152
08	1	33,700	-	166	17,039	-	3	12,133	38	26,555	-	-	-	-	-	-	-	-	-	-	-	-	208	19,152
09	4	33,375	-	116	18,174	-	6	29,733	27	25,033	-	-	-	-	-	-	-	-	-	-	-	-	155	20,552
10	3	33,633	-	95	22,759	-	2	20,800	17	24,647	-	-	-	-	-	-	-	-	-	-	-	-	122	23,543
11	2	33,200	-	69	22,823	-	1	12,800	33	27,073	-	-	-	-	-	-	-	-	-	-	-	-	117	24,740
12	1	35,900	-	57	18,665	-	2	22,350	44	27,852	-	-	-	-	-	-	-	-	-	-	-	-	113	23,515
13	3	34,667	-	86	23,569	-	8	15,325	41	28,705	-	-	-	-	-	-	-	-	-	-	-	-	141	24,935
14	3	33,567	-	200	18,772	-	4	21,900	45	29,393	-	-	-	-	-	-	-	-	-	-	-	-	256	20,344
15	4	37,325	-	123	19,506	-	-	-	19	29,156	-	-	-	-	-	-	-	-	-	-	-	-	256	20,344
16	2	32,550	-	216	19,128	-	4	14,475	20	27,875	-	-	-	-	-	-	-	-	-	-	-	-	147	21,330
17	7	34,483	-	115	23,228	-	8	18,038	21	25,724	-	-	-	-	-	-	-	-	-	-	-	-	249	19,970
18	5	33,740	-	112	28,130	-	1	19,200	18	27,000	-	-	-	-	-	-	-	-	-	-	-	-	159	24,077
19	4	30,300	-	65	27,172	-	-	-	12	27,125	-	-	-	-	-	-	-	-	-	-	-	-	136	26,474
20	-	-	-	65	28,071	-	5	23,050	6	22,467	-	-	-	-	-	-	-	-	-	-	-	-	81	27,320
21	3	33,533	-	56	25,261	-	-	-	18	29,117	-	-	-	-	-	-	-	-	-	-	-	-	76	27,299
22	1	32,200	-	46	24,955	-	-	-	1	23,200	-	-	-	-	-	-	-	-	-	-	-	-	71	26,884
23	2	29,000	-	19	22,626	-	-	-	8	30,150	-	-	-	-	-	-	-	-	-	-	-	-	48	25,048
TOTAL	55	33,473	-	2,139	21,379	-	48	18,638	500	28,355	-	-	-	-	-	-	-	-	-	-	-	-	2,792	22,930

- DATA NOT AVAILABLE



TABLE 5. AVERAGE GROSS WEIGHTS BY STATE AND HOUR

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 4 TIRE

HOUR	ARKANSAS		FLORIDA		IOWA		NEVADA		OREGON		WISCONSIN		TOTAL	
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT
00	-	-	986	4,872	2	8,650	-	-	-	-	-	-	988	4,880
01	-	-	538	4,995	1	6,800	-	-	-	-	-	-	539	4,998
02	-	-	350	5,079	-	-	-	-	2	3,600	-	-	352	5,070
03	-	-	259	4,970	-	-	-	-	-	-	-	-	259	4,970
04	-	-	355	5,055	-	-	-	-	-	-	-	-	356	5,077
05	-	-	928	5,057	-	-	-	-	1	6,400	-	-	929	5,058
06	-	-	3,023	5,016	1	5,500	-	-	15	6,627	-	-	3,039	5,024
07	-	-	4,187	5,030	-	-	-	-	17	7,082	-	-	4,204	5,058
08	-	-	4,555	5,206	-	-	-	-	19	7,016	-	-	4,509	5,215
09	-	-	4,443	5,249	25	5,460	-	-	24	6,136	-	-	4,493	5,252
10	-	-	5,239	5,257	17	5,882	-	-	18	6,544	-	-	5,273	5,264
11	-	-	4,641	5,260	21	5,343	-	-	18	6,094	-	-	4,680	5,264
12	-	-	3,977	5,196	17	5,205	-	-	15	6,993	-	-	4,309	5,205
13	-	-	4,300	5,212	21	5,105	-	-	22	6,305	-	-	4,343	5,217
14	-	-	4,128	5,161	11	4,945	-	-	17	6,512	-	-	4,156	5,165
15	-	-	4,020	5,135	-	-	-	-	27	6,837	-	-	4,048	5,148
16	-	-	6,607	5,022	13	5,546	-	-	17	6,712	-	-	6,637	5,030
17	-	-	5,944	5,011	12	5,000	-	-	21	7,050	-	-	5,958	5,011
18	-	-	4,563	5,061	9	5,276	-	-	16	6,225	-	-	4,588	5,065
19	-	-	3,331	5,058	4	5,200	-	-	4	7,600	-	-	3,339	5,061
20	-	-	2,622	5,036	5	5,600	-	-	2	5,500	-	-	2,629	5,037
21	-	-	2,218	5,023	1	5,800	-	-	1	4,600	-	-	2,220	5,024
22	-	-	1,729	4,950	-	-	-	-	-	-	-	-	1,729	4,950
23	-	-	1,442	4,981	-	-	-	-	-	-	-	-	1,442	4,981
TOTAL	-	-	74,794	5,113	185	5,371	-	-	237	5,549	3	7,333	75,219	5,119

- DATA NOT AVAILABLE

TABLE 5. AVERAGE GROSS WEIGHTS BY STATE AND HOUR

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 6 TIRE

HOUR	ARKANSAS			FLORIDA			IOWA			NEVADA			OREGON			WISCONSIN			TOTAL	
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT
00	30	14,413	11,078	173	12,356	27	12,356	5	14,000	11	12,718	25	12,616	271	11,850					
01	53	14,358	12,123	149	14,358	34	14,358	8	15,713	19	13,837	16	16,363	259	13,218					
02	58	14,682	10,205	130	13,272	36	13,272	4	17,125	20	13,585	8	12,863	236	11,918					
03	30	15,033	10,230	110	13,734	53	13,734	2	15,350	19	13,637	27	13,574	241	12,438					
04	58	15,755	11,663	155	12,969	51	12,969	7	19,329	31	14,859	34	13,235	316	13,231					
05	55	15,100	12,243	298	14,573	94	14,573	9	19,889	46	15,030	65	13,306	567	13,377					
06	134	17,203	12,350	577	16,140	137	16,140	132	15,908	129	13,702	128	13,856	1,237	14,205					
07	140	16,243	12,364	530	12,364	9	12,364	215	14,046	288	13,878	220	12,646	1,852	13,453					
08	319	14,460	12,606	1,562	13,999	335	13,999	242	14,180	394	13,607	244	13,298	3,096	13,253					
09	351	14,241	12,176	1,827	14,014	377	14,014	240	13,936	417	14,470	294	13,095	3,306	13,104					
10	295	14,237	11,822	1,736	14,203	287	14,203	212	14,315	408	13,904	156	13,450	3,154	12,782					
11	281	14,123	11,714	1,828	14,194	285	14,194	221	13,599	435	13,121	274	12,782	3,024	12,594					
12	283	13,845	11,724	1,243	14,031	239	14,031	146	13,762	323	13,645	296	12,562	2,530	12,652					
13	251	14,264	11,922	1,394	14,011	265	14,011	218	13,835	381	13,719	279	12,089	2,788	12,743					
14	285	13,665	11,478	1,332	13,993	282	13,993	229	13,337	423	13,015	397	12,381	2,948	12,417					
15	277	12,992	11,678	1,121	10,140	5	10,140	212	13,493	378	13,461	268	12,343	2,261	12,362					
16	237	14,002	12,052	1,503	13,733	244	13,733	138	13,314	306	13,780	180	11,687	2,308	12,718					
17	171	13,302	11,528	1,012	14,449	244	14,449	113	13,581	171	13,530	121	12,627	1,832	12,456					
18	155	13,568	11,707	744	13,628	146	13,628	86	13,497	141	13,218	46	13,739	1,318	12,488					
19	95	15,292	11,974	481	14,880	100	14,880	42	15,964	82	12,470	71	12,477	871	12,949					
20	75	13,789	11,458	384	14,942	83	14,942	25	15,368	56	15,518	50	13,124	673	12,754					
21	59	14,992	11,390	309	16,478	45	16,478	12	13,258	43	13,551	30	11,153	498	12,503					
22	49	15,327	10,786	258	14,107	45	14,107	7	19,571	32	14,841	37	14,646	428	12,436					
23	34	15,652	10,757	172	10,757	-	-	2	9,700	21	13,186	19	14,411	248	11,906					
TOTAL	3,715	14,283	11,910	18,738	14,177	3,423	14,177	2,527	14,007	4,574	13,659	3,285	12,772	36,262	12,812					

- DATA NOT AVAILABLE

TABLE 5. AVERAGE GROSS WEIGHTS BY STATE AND HOUR

HPMS VEHICLE CATEGORY: SINGLE UNIT - 3 AXLE OR MORE

HOUR	ARKANSAS			FLORIDA			IOWA			NEVADA			OREGON			WISCONSIN			TOTAL				
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT			
00	7	34,914		22	23,036		22	25,332		1	26,800		5	27,800		3	14,367		60	25,290			
01	12	25,608		15	20,993		21	28,367					9	25,944		1	16,700		58	25,312			
02	7	27,014		18	26,128		20	29,685		3	35,233		7	24,771		1	29,300		56	27,888			
03	5	30,520		19	17,784		19	22,552		1	16,300		12	28,467		6	31,767		62	23,679			
04	10	19,970		33	22,558		50	33,860		3	31,400		13	26,262		3	28,233		112	28,191			
05	19	26,216		51	24,910		56	32,404		3	21,133		14	28,514		16	29,675		159	28,325			
06	43	28,756		114	27,790		76	50,361		61	36,597		80	28,250		39	30,767		413	30,035			
07	37	33,814		255	28,785		31	25,467		67	35,324		148	29,455		81	27,479		591	29,813			
08	97	31,605		410	28,971		200	28,512		88	34,843		189	31,162		67	27,764		1,051	29,935			
09	110	29,077		422	27,747		203	28,530		77	35,088		247	29,781		67	26,940		1,137	28,924			
10	90	27,404		464	27,645		168	28,499		77	36,326		236	30,348		42	30,848		1,075	29,097			
11	86	25,214		370	26,567		152	27,430		56	35,086		238	32,378		81	28,323		933	28,535			
12	65	26,234		294	30,773		120	27,812		46	36,400		180	27,691		57	27,226		762	29,268			
13	59	25,937		385	28,170		196	27,041		68	33,322		243	28,013		55	27,927		1,016	28,101			
14	79	27,622		351	28,462		160	25,101		77	31,544		240	28,646		104	28,572		1,021	28,167			
15	77	27,161		259	29,254		11	13,300		55	33,436		175	27,838		64	29,914		631	29,308			
16	55	24,415		383	28,494		154	25,655		35	27,989		112	26,368		51	26,855		730	27,227			
17	41	22,051		200	25,050		101	23,218		35	28,071		72	27,178		48	26,131		497	23,060			
18	34	21,015		115	23,228		85	23,207		23	31,813		42	24,255		10	31,620		309	24,051			
19	24	21,183		72	20,797		62	23,711		6	30,450		39	25,756		22	19,995		225	22,680			
20	21	23,190		59	22,423		53	22,035		9	23,044		22	26,314		6	20,667		172	22,680			
21	17	27,706		42	21,486		27	19,122		9	33,256		12	26,608		8	17,200		113	23,111			
22	12	18,500		35	17,171		23	19,670		5	19,240		6	25,050		3	21,525		89	19,048			
23	8	24,275		15	10,520		-	-		3	31,767		4	22,350		7	23,871		37	22,265			
TOTAL	1,025	26,915		4,413	27,534		1,984	26,919		817	33,356		2,345	28,987		895	27,799		11,429	28,106			

- DATA NOT AVAILABLE

TABLE 5. AVERAGE GROSS WEIGHTS BY STATE AND HOUR

HPMS VEHICLE CATEGORY: COMBINATION - 3 AXLE

HOUR	ARKANSAS			FLORIDA			IOWA			NEVADA			OREGON			WISCONSIN			TOTAL		
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT				
		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE
00	22	29,882	13	30,232	5	29,220	-	-	7	32,471	2	35,950	49	30,529							
01	27	31,722	27	28,915	8	31,738	4	33,900	22	28,409	5	27,520	93	29,992							
02	19	26,147	23	31,587	15	29,473	-	-	8	34,600	1	25,300	66	29,741							
03	16	29,488	15	29,033	9	31,822	2	22,200	9	34,067	7	28,000	58	29,950							
04	23	28,835	19	27,037	18	30,517	3	36,467	20	33,370	5	27,740	88	30,063							
05	16	26,938	37	27,722	19	31,079	3	39,657	13	30,277	5	34,200	93	29,370							
06	40	28,772	54	28,422	15	30,707	18	33,567	23	30,462	12	31,733	168	29,847							
07	57	28,767	67	28,323	1	15,400	44	30,536	62	29,163	13	28,254	244	29,030							
08	60	26,755	82	27,303	51	28,778	46	27,148	72	26,815	19	25,700	330	27,212							
09	60	27,308	63	27,405	42	26,419	52	26,831	74	25,205	21	30,095	322	26,818							
10	64	27,797	58	26,705	38	26,750	50	24,838	88	25,839	14	24,657	312	26,299							
11	49	26,988	67	26,523	45	26,537	42	23,076	65	22,900	26	23,865	295	25,056							
12	52	27,373	47	25,289	42	26,976	42	25,278	66	24,573	22	21,236	261	25,452							
13	61	25,997	50	24,862	37	25,095	52	22,102	80	24,730	24	25,167	304	24,250							
14	76	25,886	56	24,930	40	26,547	46	23,276	78	24,669	26	21,850	322	24,821							
15	64	27,588	49	26,108	-	-	54	23,911	86	24,008	24	23,542	277	25,032							
16	69	27,468	53	25,892	58	25,193	26	22,762	66	24,491	13	27,238	285	25,569							
17	55	27,129	35	27,877	49	27,657	31	25,806	7	23,835	7	28,971	198	26,9304							
18	23	26,678	38	25,645	25	27,292	16	27,700	21	23,825	2	26,450	125	26,512							
19	25	27,220	24	27,371	15	32,847	5	29,460	17	28,041	3	28,733	89	28,545							
20	36	26,814	23	24,291	11	28,336	5	31,240	16	26,925	4	24,600	95	26,538							
21	33	26,979	27	27,552	16	30,131	3	30,900	13	28,035	4	27,575	102	27,972							
22	22	31,127	24	28,454	15	28,893	5	27,167	12	30,517	7	28,971	83	29,537							
23	15	27,093	21	28,246	1	32,100	6	23,533	9	30,289	7	30,043	59	28,064							
TOTAL	384	27,411	972	27,021	576	27,649	553	25,727	960	26,128	273	25,973	4,318	26,763							

- DATA NOT AVAILABLE

TABLE 5. AVERAGE GROSS WEIGHTS BY STATE AND HOUR

HPMS VEHICLE CATEGORY: COMBINATION -- 4 AXLE 2S2

HOUR	ARKANSAS		FLORIDA		IOWA		NEVADA		OREGON		WISCONSIN		TOTAL	
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT
00.....	49	36,541	195	37,373	63	36,768	9	38,878	6	40,500	14	40,435	336	37,362
01.....	59	38,742	224	37,071	75	39,263	13	39,823	12	36,250	20	37,905	403	37,803
02.....	47	36,568	206	35,910	66	37,606	6	35,817	5	32,740	11	38,127	341	36,030
03.....	46	38,343	257	38,489	64	38,465	7	36,136	6	38,117	25	40,332	407	38,534
04.....	46	34,526	311	39,268	53	39,104	4	42,625	17	39,776	18	33,128	439	38,545
05.....	65	34,757	324	40,318	83	37,980	5	34,920	25	40,828	20	38,010	522	39,138
06.....	65	36,683	401	43,919	109	37,828	11	37,054	27	33,907	30	38,663	643	41,372
07.....	121	38,146	416	40,901	4	31,450	4	38,154	23	37,743	43	35,786	631	39,745
08.....	104	36,933	546	38,378	133	37,314	20	35,770	66	33,638	37	34,811	916	37,889
09.....	127	35,451	669	36,122	158	35,296	32	36,489	56	30,584	44	34,509	1,086	35,388
10.....	114	34,265	622	39,759	154	34,850	27	40,548	58	33,841	36	33,022	1,011	37,803
11.....	119	32,510	601	38,620	173	36,595	31	34,474	52	31,123	51	32,178	1,027	36,745
12.....	94	33,889	476	37,424	157	34,592	36	35,836	59	36,783	41	28,751	863	36,108
13.....	127	34,394	511	36,390	143	36,154	33	36,373	55	31,745	55	34,015	930	35,763
14.....	123	33,296	532	36,330	157	35,375	30	35,463	56	33,014	80	34,682	978	35,855
15.....	106	32,552	443	35,280	13	33,642	30	35,130	50	33,746	63	37,043	795	34,917
16.....	105	35,890	373	37,225	168	35,180	19	33,403	42	32,770	54	33,767	761	36,018
17.....	92	34,041	347	37,335	153	36,153	28	39,473	20	33,585	32	35,603	672	36,504
18.....	81	37,586	346	37,514	134	35,457	25	39,503	23	38,804	12	39,733	521	37,243
19.....	74	34,822	253	35,745	121	36,650	23	39,563	24	36,563	38	37,511	553	36,215
20.....	75	36,137	230	38,537	99	38,060	19	39,437	17	36,834	27	34,967	467	37,722
21.....	66	35,297	280	38,553	106	38,242	12	39,683	18	41,300	19	36,216	501	38,137
22.....	52	36,585	256	36,475	88	38,562	7	35,514	16	38,888	30	37,493	449	37,042
23.....	50	36,964	170	38,921	1	44,400	5	41,130	3	37,167	14	42,254	243	38,738
TOTAL.....	2,007	35,339	9,011	38,013	2,461	36,548	466	37,154	736	34,568	814	35,412	15,495	37,108

- DATA NOT AVAILABLE

TABLE 5. AVERAGE GROSS WEIGHTS BY STATE AND HOUR

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE OTHER

HOUR	ARKANSAS			FLORIDA			IOWA			NEVADA			OREGON			WISCONSIN			TOTAL		
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
00	1	35,800	6	34,150	9	22,400	-	-	6	32,283	3	25,000	25	28,440							
01	1	25,800	3	29,533	5	21,900	-	-	-	-	3	25,333	12	25,917							
02	2	35,100	4	30,500	6	17,733	-	-	2	16,200	1	48,900	15	25,060							
03	-	-	3	37,033	4	27,150	-	-	3	33,267	1	34,300	11	32,164							
04	-	-	1	19,500	7	26,243	-	-	5	36,600	1	28,600	14	29,550							
05	-	-	4	39,350	6	19,517	-	-	4	25,450	3	24,467	17	26,453							
06	2	42,600	6	32,267	20	22,980	1	26,200	17	28,882	12	26,958	58	27,226							
07	1	24,900	4	23,875	1	13,100	4	32,100	19	29,621	17	26,114	36	27,286							
08	-	-	13	29,177	45	23,473	7	33,471	44	26,134	11	20,891	120	25,432							
09	1	44,900	16	30,483	41	19,234	6	29,783	38	25,451	8	26,913	110	24,589							
10	1	28,100	12	30,457	42	20,079	7	30,086	24	23,617	5	22,980	91	23,599							
11	1	35,000	10	21,400	52	20,954	3	30,833	35	24,857	8	22,238	103	22,743							
12	1	28,300	4	30,000	38	18,724	5	26,680	23	28,993	6	21,217	77	23,299							
13	2	43,600	9	22,733	47	19,657	11	31,882	32	28,341	10	20,020	111	24,143							
14	-	-	12	22,900	38	20,195	1	21,400	29	23,466	12	26,133	92	22,366							
15	2	30,000	6	37,517	1	14,300	2	24,350	20	29,545	16	25,981	47	28,887							
16	2	31,000	6	22,117	31	21,574	4	28,650	23	29,004	8	20,588	74	24,458							
17	1	24,500	7	23,337	40	20,588	3	22,533	14	25,329	5	25,260	70	22,583							
18	-	-	5	31,340	30	17,857	5	26,740	13	25,000	1	29,700	54	21,572							
19	-	-	4	26,500	26	19,454	1	27,200	17	26,688	6	23,600	54	22,855							
20	-	-	4	22,525	21	19,267	2	39,550	8	28,400	6	20,583	41	22,559							
21	-	-	1	30,400	17	20,459	1	22,900	6	35,883	4	16,325	29	23,714							
22	-	-	5	24,850	15	21,587	-	-	6	30,617	2	28,550	28	24,604							
23	-	-	3	18,900	-	-	-	-	5	23,800	3	24,667	11	22,571							
TOTAL	18	33,761	148	27,868	542	20,494	63	29,683	393	27,033	142	24,080	1,306	24,313							

- DATA NOT AVAILABLE

TABLE 5. AVERAGE GROSS WEIGHTS BY STATE AND HOUR

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE 352

HOUR	ARKANSAS			FLORIDA			IOWA			NEVADA			OREGON			WISCONSIN			TOTAL	
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT			
00.....	824	55,790		851	55,775		1,516	59,690		247	62,130		260	63,579		249	59,132		3,947	58,405
01.....	836	56,865		750	56,394		1,503	59,422		255	64,563		299	63,861		262	58,851		3,905	58,823
02.....	759	55,328		620	53,280		1,456	59,293		214	63,987		268	61,655		137	59,561		3,454	58,117
03.....	737	53,099		659	53,736		1,309	60,156		254	63,740		303	63,541		284	57,843		3,342	58,289
04.....	794	54,108		607	57,842		1,327	58,553		215	62,298		305	62,219		261	57,323		3,313	57,970
05.....	819	54,799		755	55,558		1,359	58,358		220	61,340		349	62,087		294	56,882		3,796	57,561
06.....	851	54,563		899	56,386		1,480	57,211		340	62,545		579	59,570		424	54,825		4,573	57,002
07.....	869	54,587		789	53,584		16	53,006		323	60,408		648	57,869		360	55,123		3,105	55,681
08.....	1,030	53,242		1,116	49,435		1,225	54,617		389	58,208		862	55,976		338	55,024		5,720	53,836
09.....	1,113	54,133		1,328	48,580		2,071	52,828		384	57,029		896	55,693		398	52,185		6,190	52,785
10.....	1,032	52,176		1,425	48,492		2,173	52,674		406	57,445		912	56,036		257	51,543		6,265	52,402
11.....	1,047	51,595		1,603	47,560		2,124	52,367		402	57,073		911	53,526		466	50,587		6,593	51,414
12.....	1,001	50,779		1,491	47,750		1,992	53,150		362	58,317		933	55,898		440	50,227		6,219	51,967
13.....	1,113	51,400		1,552	48,403		2,049	54,057		428	59,234		941	57,601		429	52,165		6,512	52,984
14.....	1,169	51,527		1,551	48,582		2,116	53,617		489	58,674		1,009	58,635		595	52,034		6,929	53,083
15.....	993	52,568		1,177	46,796		186	58,247		443	58,331		900	57,738		482	51,539		4,141	52,786
16.....	1,115	51,720		1,518	49,506		2,298	54,034		373	59,621		837	58,556		406	53,956		6,347	53,558
17.....	1,074	53,873		1,526	45,955		2,247	56,425		456	60,577		583	60,711		417	54,650		6,103	55,180
18.....	1,062	53,967		1,246	50,593		2,214	58,434		508	60,764		583	60,937		219	53,202		5,832	55,301
19.....	1,031	53,110		1,172	51,167		1,970	58,958		427	62,226		527	61,813		378	55,376		5,505	56,358
20.....	1,019	53,731		1,076	52,269		1,861	58,215		455	61,446		482	60,730		352	57,175		5,225	56,568
21.....	378	54,224		1,027	54,896		1,753	59,985		421	63,795		397	61,959		360	57,917		4,836	58,031
22.....	353	55,868		1,071	54,848		1,763	59,204		392	63,076		432	61,440		443	60,281		4,333	58,463
23.....	830	54,396		896	54,751		43	60,726		292	62,802		324	62,810		293	56,250		2,578	57,038
TOTAL.....	23,031	53,594		26,605	51,130		38,704	56,278		8,699	60,340		14,540	58,542		8,584	54,771		119,863	55,121

- DATA NOT AVAILABLE

TABLE 5. AVERAGE GROSS WEIGHTS BY STATE AND HOUR

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE OTHER

HOUR	ARKANSAS			FLORIDA			IOWA			NEVADA			OREGON			WISCONSIN			TOTAL		
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT			
00	9	55,133	3	38,567	73	65,073	74	60,188	167	57,437	10	55,030	336	59,698							
01	4	63,575	3	56,967	83	64,802	54	58,015	166	61,570	10	68,520	320	62,011							
02	3	58,600	1	51,000	88	64,324	74	50,226	158	62,980	10	60,790	334	62,593							
03	3	58,867	6	54,967	109	63,569	64	64,086	165	61,182	13	60,600	374	62,024							
04	10	56,030	5	54,760	81	65,314	93	62,356	128	58,693	14	66,123	331	61,930							
05	14	51,764	4	62,475	92	67,001	94	65,320	172	62,325	11	57,703	396	63,769							
06	8	57,083	7	61,364	69	65,090	150	67,617	264	59,360	17	54,583	522	62,353							
07	12	48,433	7	57,457	6	63,183	151	63,877	302	56,792	15	57,807	493	58,877							
08	10	62,480	9	62,733	106	60,756	143	58,475	330	52,484	16	57,163	520	55,769							
09	7	55,123	6	60,783	132	64,651	163	60,235	313	50,243	13	51,360	542	56,029							
10	9	61,600	11	54,273	88	60,501	160	59,309	305	52,019	6	46,300	379	55,311							
11	6	60,857	14	57,764	84	63,164	173	61,280	269	53,274	7	49,243	356	57,447							
12	11	58,255	4	58,050	85	64,768	139	55,791	274	56,256	15	52,087	528	58,456							
13	3	49,500	5	61,340	94	60,598	134	60,599	295	52,153	12	59,092	343	59,721							
14	6	54,283	8	61,050	69	63,190	142	58,361	273	60,356	14	58,857	312	50,000							
15	11	40,736	7	72,429	7	62,929	113	62,237	256	57,757	18	59,283	412	37,435							
16	10	51,720	3	56,111	87	67,220	93	60,747	283	60,155	11	51,591	301	52,517							
17	5	44,920	4	46,850	62	65,987	113	63,337	218	60,905	15	54,567	423	61,799							
18	10	50,250	1	63,700	70	64,154	103	62,522	192	58,034	6	35,550	382	60,154							
19	4	56,123	2	55,000	73	64,196	96	63,850	215	57,900	4	56,823	394	60,472							
20	9	36,883	4	51,250	61	60,234	98	62,132	185	59,372	11	55,673	368	53,493							
21	7	49,786	2	52,050	66	60,320	86	60,393	164	60,349	15	62,313	341	60,205							
22	13	52,215	2	59,950	77	61,090	74	56,736	183	53,461	6	64,150	361	59,489							
23	16	50,231	6	29,867	3	81,200	61	64,381	152	60,189	8	66,613	254	60,470							
TOTAL	200	53,653	137	55,962	1,765	63,193	2,689	61,010	5,441	57,834	280	58,062	10,912	59,449							

- DATA NOT AVAILABLE



TABLE 5. AVERAGE GROSS WEIGHTS BY STATE AND HOUR

HPMS VEHICLE CATEGORY: COMBINATION - 6 AXLE OR MORE

HOUR	ARKANSAS			FLORIDA			IOWA			NEVADA			OREGON			WISCONSIN			TOTAL		
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
00.....	7	59,100		10	69,100		16	61,613		13	86,131		37	75,938		2	56,700		85	72,156	
01.....	3	62,467		6	63,817		15	68,793		29	79,517		38	73,195		-	-		91	73,512	
02.....	-	-		7	71,114		15	59,133		29	80,366		36	71,517		1	76,200		88	72,343	
03.....	2	51,300		11	71,627		7	62,629		32	76,072		59	73,737		4	48,300		115	72,234	
04.....	2	49,300		13	57,162		16	63,150		21	75,305		47	76,440		2	45,500		101	70,469	
05.....	2	60,150		16	69,894		13	59,500		24	69,429		42	73,940		4	58,475		101	69,483	
06.....	4	52,475		20	64,520		17	62,253		31	79,787		43	62,605		6	52,517		121	66,455	
07.....	5	67,720		22	58,295		-	-		28	79,825		42	58,395		13	47,938		110	63,018	
08.....	20	73,360		33	62,524		30	54,167		43	78,028		36	55,828		14	39,879		176	62,948	
09.....	16	74,481		32	64,547		24	51,546		51	81,747		46	58,357		10	52,590		179	65,353	
10.....	10	76,950		35	62,629		19	64,326		39	80,021		34	58,312		12	54,183		149	66,587	
11.....	9	58,589		38	65,639		21	57,238		43	69,242		40	56,035		18	63,367		169	62,521	
12.....	4	54,975		35	63,049		16	69,213		37	76,097		37	60,776		11	48,264		140	65,209	
13.....	7	58,957		37	57,351		34	68,876		21	73,376		34	65,429		13	58,577		146	64,709	
14.....	5	54,280		27	63,081		27	62,422		36	72,478		48	66,429		13	51,738		156	64,938	
15.....	12	65,942		25	59,724		2	77,200		39	75,595		42	65,445		13	61,931		133	67,224	
16.....	11	69,727		18	70,417		24	58,167		24	73,700		33	63,424		5	47,500		115	65,481	
17.....	7	73,300		22	60,927		18	68,350		29	73,269		36	70,175		4	52,750		116	68,529	
18.....	8	67,238		18	61,844		21	55,067		35	71,483		30	64,687		2	78,350		114	64,971	
19.....	5	64,160		20	67,925		27	50,863		29	72,746		34	66,162		5	63,480		120	62,743	
20.....	4	50,650		12	58,450		12	47,675		29	71,797		38	70,521		3	53,500		98	65,285	
21.....	7	54,500		15	61,040		12	59,733		26	74,519		34	74,221		-	-		94	68,882	
22.....	-	-		17	66,841		18	57,872		25	82,431		29	73,752		4	53,500		88	71,335	
23.....	5	54,360		12	64,517		1	59,800		19	72,332		35	70,317		2	39,650		74	67,845	
TOTAL.....	155	65,737		501	62,960		405	60,005		733	76,024		924	66,326		161	53,981		2,879	66,774	

- DATA NOT AVAILABLE.

TABLE 6. AVERAGE GROSS WEIGHTS BY STATE AND LOAD STATUS

HPMS VEHICLE CATEGORY: BUSES

STATE	EMPTY		LOADED		NON-COMMODITY MOVEMENT		ALL VEHICLES COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	-	-	55	33,473	-	-	55	33,473
FLORIDA.....	571	10,052	1,568	25,504	-	-	2,139	21,379
IOWA.....	21	11,624	22	25,114	5	20,180	48	18,698
NEVADA.....	20	15,530	450	25,889	-	-	500	28,355
OREGON.....	-	-	21	32,667	-	-	21	32,667
WISCONSIN.....	-	-	29	25,669	-	-	29	25,669
TOTAL.....	612	10,285	2,175	26,520	5	20,180	2,792	22,950

- DATA NOT AVAILABLE.

TABLE 6. AVERAGE GROSS WEIGHTS BY STATE AND LOAD STATUS

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 4 TIRE

STATE	EMPTY		LOADED		NON-COMMODITY MOVEMENT		ALL VEHICLES COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	-	-	-	-	-	-	-	-
FLORIDA.....	38,743	4,136	35,851	6,110	-	-	74,794	5,113
IOWA.....	131	4,785	48	6,677	6	8,583	185	5,371
NEVADA.....	-	-	-	-	-	-	-	-
OREGON.....	51	4,674	205	6,830	1	7,280	237	6,549
WISCONSIN.....	-	-	3	7,833	-	-	3	7,833
TOTAL.....	39,105	4,128	36,107	6,115	7	8,386	75,219	5,119

- DATA NOT AVAILABLE.

TABLE 6. AVERAGE GROSS WEIGHTS BY STATE AND LOAD STATUS

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 6 TIRE

STATE	EMPTY		LOADED		NON-COMMODITY MOVEMENT		ALL VEHICLES COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	1,137	10,308	2,548	16,053	28	14,939	3,715	14,293
FLORIDA.....	7,701	6,986	11,037	15,373	-	-	18,738	11,910
IOWA.....	1,385	11,475	1,934	16,071	104	14,922	3,423	14,177
NEVADA.....	787	10,073	1,631	15,817	49	14,735	2,527	14,007
OREGON.....	1,267	10,772	3,272	14,770	35	14,080	4,574	13,652
WISCONSIN.....	1,052	10,181	2,105	14,210	97	10,439	3,285	12,772
TOTAL.....	13,351	8,512	22,588	15,347	313	13,411	35,262	12,812

- DATA NOT AVAILABLE.

TABLE 6. AVERAGE GROSS WEIGHTS BY STATE AND LOAD STATUS

HPMS VEHICLE CATEGORY: SINGLE UNIT - 3 AXLE OR MORE

STATE	EMPTY		LOADED		NON-COMMODITY MOVEMENT		ALL VEHICLES COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	449	18,702	504	33,477	17	23,524	1,025	26,915
FLORIDA.....	703	12,086	3,705	30,486	-	-	4,413	27,534
IOWA.....	1,124	19,108	823	37,234	37	33,510	1,584	26,919
NEVADA.....	257	22,150	532	38,746	16	42,556	817	33,356
OREGON.....	1,271	21,830	1,050	37,522	24	34,621	2,345	28,987
WISCONSIN.....	434	19,993	343	36,380	23	30,313	845	27,799
TOTAL.....	4,250	18,793	7,022	33,511	117	32,697	11,429	28,106

- DATA NOT AVAILABLE.

TABLE 6. AVERAGE GROSS WEIGHTS BY STATE AND LOAD STATUS

HPMS VEHICLE CATEGORY: COMBINATION - 3 AXLE

STATE	EMPTY		LOADED		NON-COMMODITY MOVEMENT		ALL VEHICLES COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	345	21,051	639	30,845	-	-	984	27,411
FLORIDA.....	157	15,117	815	29,514	-	-	972	27,021
IOWA.....	228	23,966	348	30,121	2	13,750	576	27,649
NEVADA.....	155	19,767	395	25,290	1	26,000	553	25,727
OREGON.....	281	21,270	676	28,186	3	15,700	960	26,128
WISCONSIN.....	54	21,211	204	28,009	15	15,427	273	25,973
TOTAL.....	1,229	20,717	5,068	29,260	21	15,810	4,310	26,763

- DATA NOT AVAILABLE.

TABLE 6. AVERAGE GROSS WEIGHTS BY STATE AND LOAD STATUS

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE 2S2

STATE	EMPTY		LOADED		NON-COMMODITY MOVEMENT		ALL VEHICLES COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	560	25,251	1,447	39,243	-	-	2,007	35,339
FLORIDA.....	1,855	20,586	7,155	42,515	-	-	9,011	38,013
IOWA.....	786	27,879	1,670	40,526	5	36,980	2,461	36,588
NEVADA.....	88	26,991	378	35,532	-	-	466	37,164
OREGON.....	193	25,702	543	37,719	-	-	736	34,568
WISCONSIN.....	178	26,338	655	37,934	1	45,600	814	35,412
TOTAL.....	3,660	23,603	11,829	41,287	6	38,417	15,495	37,108

- DATA NOT AVAILABLE.

TABLE 6. AVERAGE GROSS WEIGHTS BY STATE AND LOAD STATUS

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE OTHER

STATE	EMPTY		LOADED		NON-COMMODITY MOVEMENT		ALL VEHICLES COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	4	27,050	14	35,679	-	-	18	33,761
FLORIDA.....	52	15,175	96	34,743	-	-	148	27,868
IGWA.....	146	15,575	380	22,490	16	17,975	542	20,494
NEVADA.....	25	23,032	37	34,314	-	-	63	29,585
OREGON.....	93	25,009	297	27,640	1	33,500	393	27,033
WISCONSIN.....	33	19,373	101	25,686	6	23,225	142	24,060
TOTAL.....	354	19,031	927	26,439	25	20,276	1,306	24,515

- DATA NOT AVAILABLE.

TABLE 6. AVERAGE GROSS WEIGHTS BY STATE AND LOAD STATUS

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE 3S2

STATE	EMPTY		LOADED		NON-COMMODITY MOVEMENT		ALL VEHICLES COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	5,243	29,059	17,775	60,821	9	64,567	23,031	53,594
FLORIDA.....	5,993	24,330	20,312	59,023	-	-	26,305	51,130
IGWA.....	8,550	31,027	23,725	63,883	27	53,459	39,704	56,278
NEVADA.....	945	31,171	7,745	64,116	8	71,383	8,699	60,540
OREGON.....	3,034	30,405	11,453	66,249	3	47,533	14,540	58,542
WISCONSIN.....	1,986	30,477	6,544	62,092	4	48,450	8,584	54,771
TOTAL.....	26,202	29,009	93,608	62,430	53	57,338	119,863	55,121

- DATA NOT AVAILABLE.

TABLE 6. AVERAGE GROSS WEIGHTS BY STATE AND LOAD STATUS

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE OTHER

STATE	EMPTY		LOADED		NON-COMMODITY MOVEMENT		ALL VEHICLES COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	30	31,160	170	57,625	-	-	200	53,655
FLORIDA.....	31	23,845	106	65,355	-	-	137	55,962
IOWA.....	216	29,838	1,948	67,870	1	26,600	1,765	63,193
NEVADA.....	562	29,033	2,105	69,630	2	83,400	2,689	61,018
OREGON.....	1,463	29,678	3,977	66,201	1	24,800	5,441	57,834
WISCONSIN.....	35	29,543	243	62,219	2	50,400	280	58,062
TOTAL.....	2,357	29,475	8,149	65,123	6	53,167	10,512	59,449

- DATA NOT AVAILABLE.

TABLE 6. AVERAGE GROSS WEIGHTS BY STATE AND LOAD STATUS

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE OR MORE

STATE	EMPTY		LOADED		NON-COMMODITY MOVEMENT		ALL VEHICLES COMBINED	
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT
ARKANSAS.....	27	36,241	127	72,080	1	56,600	155	65,737
FLORIDA.....	97	32,685	404	70,239	-	-	501	62,960
IOWA.....	100	34,153	301	66,503	4	66,850	405	60,005
NEVADA.....	64	37,753	668	79,672	1	87,700	733	76,024
OREGON.....	190	37,012	731	74,625	3	85,533	924	66,926
WISCONSIN.....	68	33,137	30	69,516	3	44,300	161	53,581
TOTAL.....	549	35,273	2,321	74,183	12	66,767	2,879	66,774

- DATA NOT AVAILABLE.

TABLE 7. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: BUSES

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEH- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEH- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEH- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEH- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEH- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEH- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEH- CLES WEIGHED
ARKANSAS.....	23	413.59	15	305.43	-	-	17	414.49	-	-	-	-	55	384.37
FLORIDA.....	780	422.64	325	499.43	-	-	194	71.01	880	351.14	-	-	2,139	374.34
IOWA.....	21	266.97	1	125.76	4	49.60	8	313.04	-	-	14	120.35	48	210.78
NEVADA.....	226	371.11	224	353.43	4	252.38	8	564.12	12	350.77	26	651.02	500	379.47
OREGON.....	4	375.95	2	295.31	-	-	15	350.23	-	-	-	-	21	349.90
WISCONSIN.....	-	-	-	-	-	-	-	-	29	135.44	-	-	29	135.44
TOTAL.....	1,054	408.11	587	435.26	8	153.99	242	136.75	881	344.04	40	465.28	2,792	369.98

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE.

TABLE 7. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 4 TIRE

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEH- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEH- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEH- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEH- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEH- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEH- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEH- CLES WEIGHED
ARKANSAS.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA.....	17,961	1.24	10,768	2.20	-	-	12,813	0.84	33,652	1.21	-	-	74,794	1.29
IOWA.....	1	.92	4	6.39	35	1.31	6	7.62	6	4.82	129	1.16	185	1.65
NEVADA.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON.....	22	3.75	53	3.50	41	3.24	50	2.93	32	2.40	39	2.81	237	3.09
WISCONSIN.....	1	2.81	-	-	-	-	-	-	1	12.52	1	1.44	3	5.59
TOTAL.....	17,985	1.24	10,825	2.20	80	2.30	12,869	.85	33,691	1.21	169	1.56	75,219	1.30

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE

TABLE 7. 10 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 6 TIRE

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000
ARKANSAS	505	159.43	828	211.87	445	174.79	1,113	168.76	302	150.08	522	99.95	3,715	166.64
FLORIDA	5,797	88.10	3,367	107.64	-	-	2,817	74.25	6,757	111.33	-	-	18,738	97.91
IOWA	788	138.46	404	167.23	111	104.99	1,220	150.79	661	163.13	259	95.35	3,423	146.67
NEVADA	465	152.87	505	176.36	202	127.78	188	195.15	565	104.95	602	121.40	2,527	140.49
OREGON	785	181.67	767	147.15	467	138.57	1,279	122.85	638	196.79	634	99.19	4,574	145.71
WISCONSIN	562	141.68	719	142.22	512	120.85	-	-	553	78.72	455	99.16	3,285	118.20
TOTAL	8,886	111.59	6,550	138.03	2,137	135.79	6,617	117.09	9,516	119.47	2,516	104.27	36,262	120.39

1/ P = 2.5 AND SA = 5  
- DATA NOT AVAILABLE.

TABLE 7. 10 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: SINGLE UNIT - 3 AXLE OR MORE

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000
ARKANSAS	144	346.71	254	367.62	94	344.25	338	299.73	58	562.52	137	258.13	1,025	336.27
FLORIDA	706	584.48	449	391.11	-	-	655	661.01	2,603	622.99	-	-	4,413	598.88
IOWA	475	379.18	197	413.81	65	355.46	696	303.47	435	424.37	112	271.85	1,984	359.08
NEVADA	76	369.94	141	679.28	36	500.32	165	752.01	133	768.21	266	707.68	817	681.03
OREGON	155	347.30	191	484.39	96	339.24	800	456.82	563	549.68	540	301.37	2,345	433.51
WISCONSIN	146	432.92	237	366.76	261	433.84	-	-	102	243.95	95	367.06	845	384.12
TOTAL	1,702	462.72	1,469	425.95	556	396.94	2,654	465.34	3,895	584.33	1,154	392.66	11,429	489.76

1/ P = 2.5 AND SA = 5  
- DATA NOT AVAILABLE



TABLE 7. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: ALL SINGLE UNIT TRUCKS

STATE	RURAL INTERSTATE			RURAL OTHER PRINCIPAL ARTERIAL			RURAL MINOR ARTERIAL & COLLECTOR			URBAN INTERSTATE & OTHER F & E			URBAN OTHER PRINCIPAL ARTERIAL			URBAN MINOR ARTERIAL & COLLECTOR			ALL FUNCTIONAL CLASSES COMBINED						
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 CLES	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 CLES	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 CLES	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 CLES	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 CLES	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 CLES	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 CLES	WEIGHED				
ARKANSAS.....	689	200.54	1,082	248.43	539	204.34	1,451	199.27	360	216.53	659	132.84	4,740	203.32	57,945	46.70	5,552	217.24	3,344	272.56	7,156	235.30	4,133	172.48	
FLORIDA.....	24,064	39.28	14,584	38.51	-	-	16,285	40.09	43,012	56.14	-	-	500	110.59	866	201.07	3,344	272.56	1,213	186.09	599	143.29	3,839	186.44	
IOWA.....	1,244	230.26	605	246.45	219	165.44	1,922	205.63	1,102	265.39	698	231.53	1,213	186.09	599	143.29	3,839	186.44	4,740	203.32	57,945	46.70	5,552	217.24	
NEVADA.....	341	183.36	646	286.13	238	184.13	353	455.44	698	231.53	1,213	186.09	599	143.29	3,839	186.44	4,740	203.32	57,945	46.70	5,552	217.24	3,344	272.56	
OREGON.....	966	204.19	1,011	203.33	604	161.28	2,129	245.53	656	102.84	73.31	47,101	91.27	47,101	91.27	47,101	91.27	47,101	91.27	47,101	91.27	47,101	91.27	47,101	91.27
WISCONSIN.....	709	201.46	956	157.85	1,173	190.49	22,140	91.27	47,101	91.27	47,101	91.27	47,101	91.27	47,101	91.27	47,101	91.27	47,101	91.27	47,101	91.27	47,101	91.27	
TOTAL.....	28,173	63.93	18,884	82.57	2,773	184.30	22,140	91.27	47,101	91.27	47,101	91.27	47,101	91.27	47,101	91.27	47,101	91.27	47,101	91.27	47,101	91.27	47,101	91.27	

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE.

TABLE 7. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 3 AXLE

STATE	RURAL INTERSTATE			RURAL OTHER PRINCIPAL ARTERIAL			RURAL MINOR ARTERIAL & COLLECTOR			URBAN INTERSTATE & OTHER F & E			URBAN OTHER PRINCIPAL ARTERIAL			URBAN MINOR ARTERIAL & COLLECTOR			ALL FUNCTIONAL CLASSES COMBINED					
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 CLES	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 CLES	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 CLES	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 CLES	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 CLES	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 CLES	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 CLES	WEIGHED			
ARKANSAS.....	227	436.42	202	395.71	20	477.67	401	357.44	108	434.03	26	243.55	984	391.35	306	391.11	133	367.96	163	434.15	89	429.24	212	466.05
FLORIDA.....	306	391.11	133	367.96	-	-	334	288.98	159	397.73	-	-	26	243.55	163	434.15	36	433.14	89	429.24	212	466.05	54	569.07
IOWA.....	163	434.15	36	433.14	1	25.95	280	415.92	82	319.38	14	284.12	972	354.21	89	429.24	59	523.18	130	408.16	66	332.10	1,091	444.87
NEVADA.....	89	429.24	59	523.18	13	280.88	98	307.16	103	341.44	151	198.45	553	351.22	212	466.05	130	408.16	66	332.10	1,091	444.87	1,091	444.87
OREGON.....	212	466.05	130	408.16	46	249.97	297	365.66	137	249.97	138	212.58	960	349.24	54	569.07	66	332.10	33	245.67	113	286.10	666	407.26
WISCONSIN.....	54	569.07	66	332.10	33	245.67	-	-	59	189.80	21	117.06	273	355.95	1,091	444.87	666	407.26	113	286.10	666	407.26	1,091	444.87
TOTAL.....	1,091	444.87	666	407.26	113	286.10	1,410	351.08	688	336.41	350	205.92	4,318	368.01	1,091	444.87	666	407.26	113	286.10	666	407.26	1,091	444.87

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE.

TABLE 7. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE 2S2

STATE	RURAL INTERSTATE			RURAL OTHER PRINCIPAL ARTERIAL			RURAL MINOR ARTERIAL & COLLECTOR			URBAN INTERSTATE & OTHER F & E			URBAN OTHER PRINCIPAL ARTERIAL			URBAN MINOR ARTERIAL & COLLECTOR			ALL FUNCTIONAL CLASSES COMBINED		
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHIS	WEIGHED
ARKANSAS	731	457.80	507	571.88	104	452.76	767	456.68	64	292.35	64	292.35	399.23	2,007	404.93	2,007	404.93	2,007	404.93	2,007	404.93
FLORIDA	2,565	777.66	2,564	657.90	-	-	1,635	599.70	2,247	1241.69	2,247	1241.69	-	9,011	510.96	9,011	510.96	9,011	510.96	9,011	510.96
IOWA	876	536.31	172	577.95	12	437.77	1,115	460.60	221	537.94	221	537.94	65	2,461	501.21	2,461	501.21	2,461	501.21	2,461	501.21
NEVADA	154	689.88	54	571.45	8	556.99	155	543.98	27	387.87	27	387.87	28	466	598.14	466	598.14	466	598.14	466	598.14
OREGON	257	616.44	58	535.63	22	226.95	245	509.46	8	334.86	8	334.86	28	736	506.57	736	506.57	736	506.57	736	506.57
WISCONSIN	403	524.65	223	479.22	71	373.57	-	-	8	210.81	8	210.81	225	814	453.41	814	453.41	814	453.41	814	453.41
TOTAL	5,026	662.20	3,378	661.10	217	426.14	3,917	651.21	2,732	1092.62	2,732	1092.62	225	15,495	738.05	15,495	738.05	15,495	738.05	15,495	738.05

1/ P = 2.5 AND SN = 5  
 - DATA NOT AVAILABLE.

TABLE 7. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE OTHER

STATE	RURAL INTERSTATE			RURAL OTHER PRINCIPAL ARTERIAL			RURAL MINOR ARTERIAL & COLLECTOR			URBAN INTERSTATE & OTHER F & E			URBAN OTHER PRINCIPAL ARTERIAL			URBAN MINOR ARTERIAL & COLLECTOR			ALL FUNCTIONAL CLASSES COMBINED			
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHIS	WEIGHED	
ARKANSAS	9	270.08	3	222.26	-	-	6	355.82	-	-	47	235.27	-	-	-	-	-	-	18	290.69	18	290.69
FLORIDA	41	169.69	22	353.25	-	-	38	215.30	-	-	35	73.50	-	-	-	-	-	-	148	229.51	148	229.51
IOWA	184	141.05	38	119.95	12	34.30	236	115.36	11	158.94	4	158.94	37	101.12	63	216.91	216.91	542	118.94	542	118.94	
NEVADA	116	170.14	23	301.12	3	198.36	11	267.93	14	142.50	4	142.50	4	193.31	393	236.24	236.24	63	240.07	63	240.07	
OREGON	103	298.70	45	290.70	14	133.60	151	221.68	10	40.95	10	40.95	12	154.37	142	166.13	166.13	393	236.24	393	236.24	
WISCONSIN	61	218.28	36	165.67	23	76.48	-	-	10	40.95	10	40.95	12	154.37	142	166.13	166.13	142	166.13	142	166.13	
TOTAL	414	198.92	167	244.21	52	86.50	442	167.33	442	150.15	132	150.15	99	155.54	1,306	179.89	179.89	1,306	179.89	1,306	179.89	

1/ P = 2.5 AND SN = 5  
 - DATA NOT AVAILABLE.

TABLE 7. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE 3S2

STATE	RURAL INTERSTATE			RURAL OTHER PRINCIPAL ARTERIAL			RURAL MINOR ARTERIAL & COLLECTOR			URBAN INTERSTATE & OTHER F & E			URBAN OTHER PRINCIPAL ARTERIAL			URBAN MINOR ARTERIAL & COLLECTOR			ALL FUNCTIONAL CLASSES COMBINED			
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	
ARKANSAS	8,498	835.74	4,208	773.42	326	664.48	9,029	795.16	587	597.68	383	650.49	23,031	795.87	23,031	795.87	23,031	795.87	23,031	795.87	23,031	795.87
FLORIDA	7,255	950.97	6,734	82.52	-	-	5,589	494.30	6,123	1573.38	-	-	26,385	971.06	26,385	971.06	26,385	971.06	26,385	971.06	26,385	971.06
IOWA	18,864	959.85	1,938	106.15	85	718.64	15,192	910.82	2,314	939.81	337	702.83	28,704	962.34	28,704	962.34	28,704	962.34	28,704	962.34	28,704	962.34
NEVADA	4,228	579.41	380	780.79	253	1,291.30	3,401	1,475.43	151	727.32	246	764.80	8,659	1,162.13	8,659	1,162.13	8,659	1,162.13	8,659	1,162.13	8,659	1,162.13
OREGON	5,475	1,209.74	967	1,454.07	265	1,069.66	5,495	1,173.27	1,117	789.02	1,217	595.41	14,950	1,125.21	14,950	1,125.21	14,950	1,125.21	14,950	1,125.21	14,950	1,125.21
WISCONSIN	5,821	556.77	1,601	652.21	783	870.84	-	-	278	627.20	101	348.19	8,584	881.76	8,584	881.76	8,584	881.76	8,584	881.76	8,584	881.76
TOTAL	50,745	580.80	15,758	874.26	1,720	916.80	38,706	910.57	10,610	1,258.62	2,284	629.93	119,863	961.07	119,863	961.07	119,863	961.07	119,863	961.07	119,863	961.07

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE.

TABLE 7. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE OTHER

STATE	RURAL INTERSTATE			RURAL OTHER PRINCIPAL ARTERIAL			RURAL MINOR ARTERIAL & COLLECTOR			URBAN INTERSTATE & OTHER F & E			URBAN OTHER PRINCIPAL ARTERIAL			URBAN MINOR ARTERIAL & COLLECTOR			ALL FUNCTIONAL CLASSES COMBINED			
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	
ARKANSAS	119	1,110.82	10	737.42	2	238.16	68	1,174.62	1	423.33	-	-	200	1,101.68	200	1,101.68	200	1,101.68	200	1,101.68	200	1,101.68
FLORIDA	31	1,239.44	21	2,146.07	-	-	57	307.29	28	2,247.65	-	-	137	2,438.80	137	2,438.80	137	2,438.80	137	2,438.80	137	2,438.80
IOWA	854	4,205.70	64	1,825.56	6	601.93	796	3,293.94	31	1,638.39	14	516.69	1,765	3,670.46	1,765	3,670.46	1,765	3,670.46	1,765	3,670.46	1,765	3,670.46
NEVADA	1,330	2,033.02	238	2,264.22	87	2,524.87	855	2,231.89	56	902.36	123	1,201.79	2,669	2,071.06	2,669	2,071.06	2,669	2,071.06	2,669	2,071.06	2,669	2,071.06
OREGON	1,355	1,924.71	358	2,044.18	100	2,051.90	2,099	1,627.96	417	1,392.70	508	841.35	5,941	1,678.51	5,941	1,678.51	5,941	1,678.51	5,941	1,678.51	5,941	1,678.51
WISCONSIN	254	1,546.35	12	688.26	11	259.16	-	-	1	192.70	2	85.43	280	1,438.29	280	1,438.29	280	1,438.29	280	1,438.29	280	1,438.29
TOTAL	4,547	2,359.05	703	2,060.06	206	2,096.08	3,875	2,113.77	534	1,396.31	647	900.51	10,952	2,105.92	10,952	2,105.92	10,952	2,105.92	10,952	2,105.92	10,952	2,105.92

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE.

TABLE 7. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 6 AXLE OR MORE

STATE	RURAL INTERSTATE			RURAL OTHER PRINCIPAL ARTERIAL			RURAL MINOR ARTERIAL & COLLECTOR			URBAN INTERSTATE & OTHER F & E			URBAN OTHER PRINCIPAL ARTERIAL			URBAN MINOR ARTERIAL & COLLECTOR			ALL FUNCTIONAL CLASSES COMBINED		
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	
ARKANSAS	67	12012.23	26	1147.16	4	115.98	51	1255.08	3	1184.82	4	152.60	155	1505.40							
FLORIDA	135	1021.70	64	1308.50			164	1038.53	134	1913.28			501	1301.40							
IOWA	170	12013.95	14	1823.52	1	956.34	201	2242.12	14	3083.60			409	2143.58							
NEVADA	410	1578.03	47	1078.05	25	2393.27	242	1705.27	3	939.00			6	593.64							
OREGON	490	1418.03	27	1063.38	6	1558.38	311	1417.83	49	829.48			41	306.78							
WISCONSIN	74	1088.44	42	652.26	31	615.92			10	487.56			4	875.40							
TOTAL	1,350	1633.79	220	1118.61	67	1338.75	969	1587.50	213	1639.96	60	428.49	2,879	1548.05							

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE.

TABLE 7. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: ALL COMBINATIONS

STATE	RURAL INTERSTATE			RURAL OTHER PRINCIPAL ARTERIAL			RURAL MINOR ARTERIAL & COLLECTOR			URBAN INTERSTATE & OTHER F & E			URBAN OTHER PRINCIPAL ARTERIAL			URBAN MINOR ARTERIAL & COLLECTOR			ALL FUNCTIONAL CLASSES COMBINED		
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	
ARKANSAS	9,651	611.78	4,756	746.00	456	610.44	10,322	757.52	763	550.99	447	603.22	26,395	764.16							
FLORIDA	10,541	894.60	9,538	801.88			7,817	620.08	8,778	1462.00			37,074	947.21							
IOWA	21,111	1110.70	2,233	1045.87	121	612.35	17,820	985.80	2,697	895.93	472	601.30	44,953	1037.58							
NEVADA	6,267	1249.73	841	1160.53	389	1580.71	4,762	1565.78	384	621.21	560	655.46	13,203	1325.99							
OREGON	8,496	1339.06	1,585	1428.28	457	1138.65	8,598	1229.59	1,840	853.40	2,018	610.86	22,954	1197.52							
WISCONSIN	6,707	542.21	1,988	645.99	352	777.38			447	469.35	168	289.52	10,934	838.40							
TOTAL	63,173	1054.22	20,932	862.25	2,375	936.06	49,319	978.56	14,909	1186.45	3,665	606.83	154,373	1006.39							

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE

TABLE 7. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: ALL TRUCKS

STATE	RURAL INTERSTATE			RURAL OTHER PRINCIPAL ARTERIAL			RURAL MINOR ARTERIAL & COLLECTOR			URBAN INTERSTATE & OTHER F & E			URBAN OTHER PRINCIPAL ARTERIAL			URBAN MINOR ARTERIAL & COLLECTOR			ALL FUNCTIONAL CLASSES COMBINED		
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	
ARKANSAS.....	10,300	773.27	5,838	653.78	995	390.45	11,773	688.72	1,123	443.77	1,106	322.95	31,135	678.78	1,910	322.95	31,135	678.78	1,910	322.95	
FLORIDA.....	35,005	306.61	24,122	340.36	-	-	24,102	228.20	51,790	294.42	-	-	135,019	293.97	-	-	135,019	293.97	-	-	
IOWA.....	22,355	1061.71	2,837	875.40	340	324.84	19,742	903.85	3,759	713.02	972	348.88	50,045	945.92	972	348.88	50,045	945.92	972	348.88	
NEVADA.....	6,808	1164.99	1,487	780.55	627	1050.59	5,115	1483.15	1,082	369.70	1,428	455.73	16,547	1113.10	1,428	455.73	16,547	1113.10	1,428	455.73	
OREGON.....	9,462	1223.20	2,596	951.23	1,061	582.26	10,727	1033.28	3,073	652.57	3,231	451.39	30,150	969.14	3,231	451.39	30,150	969.14	3,231	451.39	
WISCONSIN.....	7,416	871.39	2,936	500.08	2,125	453.42	-	-	1,143	246.17	767	175.32	14,387	647.10	767	175.32	14,387	647.10	767	175.32	
TOTAL.....	91,346	748.80	35,816	492.46	5,148	532.04	71,459	703.65	62,010	340.94	7,504	391.79	277,263	595.46	7,504	391.79	277,263	595.46	7,504	391.79	

1/ P = 2.5 AND SA = 5  
- DATA NOT AVAILABLE.

TABLE 8. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: BUSES

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED
ARKANSAS	23	546.57	15	427.67	-	-	17	565.60	-	-	-	-	55	521.32
FLORIDA	780	458.51	325	536.05	-	-	194	72.34	840	361.34	-	-	2,179	411.70
IOWA	21	302.14	1	14.50	4	46.88	8	339.73	-	-	14	136.46	48	234.94
NEVADA	226	445.94	224	448.88	4	254.18	8	635.02	12	388.48	26	721.27	500	448.56
OREGON	4	504.25	2	377.36	-	-	15	504.74	-	-	-	-	21	492.52
WISCONSIN	-	-	-	-	-	-	-	-	25	176.73	-	-	29	176.73
TOTAL	1,054	484.39	567	485.67	8	170.53	242	161.51	881	355.63	40	515.88	2,792	415.59

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE.

TABLE 8. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 4 TIRE

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA	17,561	1.37	10,768	2.30	-	-	12,813	0.95	33,652	1.30	-	-	74,794	1.40
IOWA	1	.93	4	6.31	-	-	6	7.45	6	4.84	129	1.24	185	1.69
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	22	3.81	53	3.55	41	3.25	50	2.98	32	2.46	39	2.85	237	3.15
WISCONSIN	1	2.90	-	-	-	-	1	-	1	12.27	1	1.92	3	5.56
TOTAL	17,585	1.37	10,825	2.31	80	2.35	12,869	.96	33,651	1.30	169	1.61	75,219	1.40

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE

TABLE 8. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 6 TIRE

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED
ARKANSAS	505	152.80	828	206.41	445	174.92	1,113	165.10	302	147.53	522	96.44	3,715	162.14
FLORIDA	5,797	85.84	3,367	104.35	-	-	2,817	72.07	6,757	108.74	-	-	18,738	95.36
IOWA	768	132.52	409	162.14	111	99.84	1,220	145.50	661	159.48	253	91.17	3,423	141.75
NEVADA	465	147.13	509	171.23	202	123.29	188	190.28	565	100.94	603	117.85	2,527	135.95
OREGON	789	176.21	767	142.65	467	134.10	1,279	119.17	638	192.76	634	96.17	4,674	141.54
WISCONSIN	562	136.40	719	137.93	912	117.24	-	-	553	74.88	453	95.25	3,265	114.06
TOTAL	8,686	108.15	6,590	135.96	2,137	132.60	6,617	115.38	9,516	116.56	2,516	100.71	36,922	116.93

1/ P = 2.5 AND D = 5  
- DATA NOT AVAILABLE.

TABLE 8. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: SINGLE UNIT - 3 AXLE OR MORE

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED
ARKANSAS	144	489.09	254	551.78	94	546.30	338	438.84	58	501.72	137	383.72	1,025	502.57
FLORIDA	706	860.97	445	586.72	-	-	655	1027.18	2,603	925.50	-	-	4,413	899.30
IOWA	475	529.52	197	597.44	69	453.26	596	424.97	435	621.52	112	379.90	1,964	510.05
NEVADA	76	558.10	141	1010.10	36	656.31	165	1142.54	133	1134.50	266	1080.68	817	1024.21
OREGON	155	525.27	151	746.41	96	483.27	800	673.78	563	828.84	540	441.57	2,345	645.84
WISCONSIN	146	556.23	237	471.80	261	562.45	-	-	102	322.27	99	433.12	845	498.72
TOTAL	1,702	678.50	1,469	624.97	556	546.13	2,654	695.47	3,854	868.55	1,154	575.31	11,429	723.45

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE.

TABLE 8. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: ALL SINGLE UNIT TRUCKS

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED
ARKANSAS.....	645	227.42	1,082	287.45	539	239.69	1,451	227.33	360	269.03	659	156.17	4,740	235.75
FLORIDA.....	24,064	47.53	14,588	43.85	-	-	16,285	54.61	43,012	74.11	-	-	57,945	53.83
IOWA.....	1,244	284.25	603	302.85	219	206.26	1,922	248.27	1,102	311.02	500	132.64	5,952	267.79
NEVADA.....	541	204.86	646	354.33	238	209.97	353	635.39	658	297.88	862	412.93	3,544	352.97
OREGON.....	966	228.29	1,011	249.42	604	180.72	2,129	324.84	1,233	478.26	1,923	246.91	7,156	302.21
WISCONSIN.....	709	230.92	566	220.70	1,173	216.30	-	-	656	111.05	595	150.92	4,133	192.63
TOTAL.....	28,173	75.96	18,884	56.65	2,773	211.76	22,140	117.83	47,101	96.28	3,839	239.03	122,950	102.63

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE.

TABLE 8. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 3 AXLE

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED
ARKANSAS.....	227	417.91	202	379.52	20	462.90	401	341.26	108	418.54	26	232.55	944	374.89
FLORIDA.....	306	375.45	133	352.22	-	-	334	273.54	199	380.75	-	-	932	338.34
IOWA.....	163	414.60	36	429.77	1	22.40	280	407.24	82	304.85	14	271.16	518	392.18
NEVADA.....	85	473.81	95	510.72	12	266.71	98	292.64	103	331.69	151	189.19	553	335.25
OREGON.....	212	448.88	150	392.69	48	234.08	297	351.94	137	240.22	138	204.89	960	336.14
WISCONSIN.....	54	548.60	66	317.81	33	235.29	-	-	59	180.51	21	110.70	273	341.70
TOTAL.....	1,051	427.34	666	392.74	113	276.81	1,410	337.15	688	325.14	350	197.17	4,318	353.69

1/ P = 2.5 AND U = 9  
- DATA NOT AVAILABLE



TABLE 8. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE 2S2

STATE	RURAL INTERSTATE			RURAL OTHER PRINCIPAL ARTERIAL			RURAL MINOR ARTERIAL & COLLECTOR			URBAN INTERSTATE & OTHER F & E			URBAN OTHER PRINCIPAL ARTERIAL			URBAN MINOR ARTERIAL & COLLECTOR			ALL FUNCTIONAL CLASSES COMBINED		
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	
ARKANSAS	731	561.54	307	672.31	104	635.37	767	514.42	64	335.07	34	480.91	2,907	555.92							
FLORIDA	2,565	989.14	2,564	845.44	-	-	1,635	1,402.19	2,247	1,598.75	-	-	9,011	1,200.15							
IOWA	876	557.14	172	680.66	12	537.62	1,115	508.00	221	625.89	65	465.49	2,461	561.41							
NEVADA	194	728.29	54	618.83	8	605.75	155	597.30	27	445.83	28	750.62	466	658.68							
OREGON	257	685.52	58	615.27	22	242.57	285	573.10	84	382.03	70	402.95	736	567.81							
WISCONSIN	403	550.21	223	519.21	71	416.90	-	-	89	222.39	28	207.87	814	582.28							
TOTAL	5,026	601.04	3,978	752.16	217	515.48	3,917	890.11	2,732	1,479.06	225	451.79	15,455	932.15							

1/ F = 2.5 AND D = 5  
- DATA NOT AVAILABLE.

TABLE 8. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE OTHER

STATE	RURAL INTERSTATE			RURAL OTHER PRINCIPAL ARTERIAL			RURAL MINOR ARTERIAL & COLLECTOR			URBAN INTERSTATE & OTHER F & E			URBAN OTHER PRINCIPAL ARTERIAL			URBAN MINOR ARTERIAL & COLLECTOR			ALL FUNCTIONAL CLASSES COMBINED		
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000 VEHI- CLES WEIGHED	
ARKANSAS	9	319.64	3	215.03	-	-	6	437.90	-	-	47	285.14	18	341.63							
FLORIDA	41	221.81	22	433.20	-	-	38	236.91	-	-	35	88.27	146	277.22							
IOWA	184	161.21	38	146.33	12	45.35	236	130.77	4	199.04	37	119.73	542	136.82							
NEVADA	16	209.16	23	339.91	3	229.09	11	281.11	4	165.19	6	236.39	63	270.26							
OREGON	103	342.86	45	332.56	14	155.20	151	258.50	36	165.19	44	273.72	393	278.93							
WISCONSIN	61	258.00	36	189.14	23	88.81	-	-	10	60.42	12	193.30	142	193.76							
TOTAL	414	231.61	167	271.43	52	104.89	442	191.44	132	181.69	59	204.28	1,306	210.95							

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE

TABLE 8. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE 3S2

STATE	RURAL INTERSTATE			RURAL OTHER PRINCIPAL ARTERIAL			RURAL MINOR ARTERIAL & COLLECTOR			URBAN INTERSTATE & OTHER F & E			URBAN OTHER PRINCIPAL ARTERIAL			URBAN MINOR ARTERIAL & COLLECTOR			ALL FUNCTIONAL CLASSES COMBINED		
	VEHI- CLES IN SAMPLE	EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	EAL PER 1000 VEHIS	WEIGHED
ARKANSAS	8,438	1387.99		4,208	1286.88		326	1100.84		9,029	1319.37		587	588.78		383	1074.51		23,033	1323.16	
FLORIDA	7,759	1619.77		6,734	1598.97					5,689	841.68		6,123	2726.64					26,305	1655.45	
IOWA	18,864	1681.06		1,908	1340.12		39	1191.68		15,192	1325.09		2,314	1569.79		337	135.37		38,704	1615.32	
NEVADA	4,228	1644.88		380	1306.47		293	2186.56		3,401	2465.86		194	1183.82		246	126.20		8,699	1946.28	
OREGON	5,875	2028.33		967	1461.16		259	1791.00		5,495	1952.13		1,111	1307.77		1,217	988.05		14,548	1860.38	
WISCONSIN	5,821	1554.51		1,601	1142.43		73	1465.34					278	1042.09		101	552.92		8,584	1468.26	
TOTAL	50,745	1646.63		16,798	1459.19		1,729	1539.11		38,706	1521.71		10,610	2156.92		2,284	1039.02		139,863	1613.63	

1/ P = 2.5 AND D = 9  
 - DATA NOT AVAILABLE.

TABLE 8. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE OTHER

STATE	RURAL INTERSTATE			RURAL OTHER PRINCIPAL ARTERIAL			RURAL MINOR ARTERIAL & COLLECTOR			URBAN INTERSTATE & OTHER F & E			URBAN OTHER PRINCIPAL ARTERIAL			URBAN MINOR ARTERIAL & COLLECTOR			ALL FUNCTIONAL CLASSES COMBINED		
	VEHI- CLES IN SAMPLE	EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	EAL PER 1000 VEHIS	WEIGHED	VEHI- CLES IN SAMPLE	EAL PER 1000 VEHIS	WEIGHED
ARKANSAS	119	1093.27		10	729.40		2	222.73		68	1142.26		1	397.40					200	1079.55	
FLORIDA	31	1219.76		21	3084.68					57	4524.80		28	3120.85					137	3491.01	
IOWA	854	1482.04		64	2050.72		6	791.17		796	3671.19		31	1940.65		14	613.60		1,765	4133.86	
NEVADA	1,330	2113.23		238	2569.23		87	12501.60		855	2384.34		56	968.01		123	1341.07		2,689	2206.13	
OREGON	1,959	2104.83		358	2354.78		100	2455.70		2,039	1789.30		417	1626.01		503	1063.55		5,441	1866.49	
WISCONSIN	254	1541.25		12	839.45		11	317.47					1	320.47		2	26.81		280	1498.34	
TOTAL	4,547	1571.53		703	2372.52		206	2459.68		3,875	2338.05		534	1648.91		647	1056.44		10,512	2329.13	

1/ P = 2.5 AND D = 9  
 - DATA NOT AVAILABLE.

TABLE 8. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 6 AXLE OR MORE

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN 1000 SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHI- CLES IN 1000 SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHI- CLES IN 1000 SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHI- CLES IN 1000 SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHI- CLES IN 1000 SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHI- CLES IN 1000 SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHI- CLES IN 1000 SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED
ARKANSAS	6712716.27	1487.14	261487.14	1487.14	4142.08	142.08	511529.82	1529.82	311513.92	1513.92	4190.86	190.86	1551964.84	1964.84
FLORIDA	13511644.73	2060.75	642060.75	2060.75	-	-	1641692.01	1692.01	12413050.56	13050.56	-	-	50112089.49	12089.49
IOWA	17012356.55	2328.74	142328.74	2328.74	111417.46	1417.46	2012697.21	2697.21	1413645.55	3645.55	51289.36	1289.36	40512570.45	12570.45
NEVADA	41012026.85	1178.46	471178.46	1178.46	2512928.28	2928.28	2421814.22	1814.22	31899.49	899.49	6157.06	57.06	73311916.68	11916.68
OREGON	45011538.97	1450.14	271450.14	1450.14	612029.76	2029.76	3111508.41	1508.41	491902.13	902.13	41400.47	400.47	52411446.22	11446.22
WISCONSIN	741406.25	806.75	42806.75	806.75	311746.53	746.53	-	-	101583.46	583.46	41061.21	1061.21	16111063.65	11063.65
TOTAL	1,3501,857,118	1512.10	2201512.10	1512.10	6711650.35	1650.35	9691863.58	1863.58	21312427.52	2427.52	601525.19	525.19	2,87911842.62	11842.62

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE.

TABLE 8. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: ALL COMBINATIONS

STATE	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN 1000 SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHI- CLES IN 1000 SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHI- CLES IN 1000 SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHI- CLES IN 1000 SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHI- CLES IN 1000 SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHI- CLES IN 1000 SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHI- CLES IN 1000 SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED
ARKANSAS	546511307.16	1207.16	475611207.91	1207.91	456955.35	955.35	1032211220.92	1220.92	763654.52	654.52	447972.46	972.46	2633951230.72	1230.72
FLORIDA	103411423.56	1241.50	593811241.50	1241.50	-	-	7817976.40	976.40	87782403.47	2403.47	-	-	370741517.40	1517.40
IOWA	219111748.30	1720.57	223211708.25	1708.25	121985.53	985.53	1782011534.50	1534.50	26571449.79	1449.79	472938.25	938.25	444831631.80	1631.80
NEVADA	62671720.57	1149.22	84111492.22	1149.22	385282.34	282.34	476212307.51	2307.51	384855.41	855.41	560952.67	952.67	132031876.66	1876.66
OREGON	845611515.35	1212.97	158512122.97	1212.97	4571658.74	1658.74	859811772.01	1772.01	18541225.19	1225.19	2018890.56	890.56	225941725.79	1725.79
WISCONSIN	687071503.25	1018.46	198011018.46	1018.46	9521274.58	1274.58	-	-	44773.32	73.32	168421.46	421.46	102341337.04	1337.04
TOTAL	63,1731,620,10	1620.10	20,9321,339,37	1339.37	2,3751437.47	1437.47	49,3191,496.46	1496.46	14,5091916.36	1916.36	3,665894.69	894.69	154,3731551.11	1551.11

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE

TABLE 8. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY STATE AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: ALL TRUCKS

STATE	RURAL INTERSTATE			RURAL OTHER PRINCIPAL ARTERIAL			RURAL MINOR ARTERIAL & COLLECTOR			URBAN INTERSTATE & OTHER F & E			URBAN OTHER PRINCIPAL ARTERIAL			URBAN MINOR ARTERIAL & COLLECTOR			ALL FUNCTIONAL CLASSES COMBINED		
	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	WEIGHED	VEHI- CLES IN SAMPLE	18-KIP EAL PER 1000	WEIGHED
ARKANSAS	10,300	1239.13	59838	1037.32	995	567.67	11,773	1058.46	1,123	666.83	1,106	486.09	31,125	1079.25							
FLORIDA	35,005	480.74	24,122	517.41	-	-	24,102	353.57	51,790	468.92	-	-	25,019	460.05							
IOWA	22,355	1666.83	2,837	1408.58	340	483.59	19,742	1409.09	3,799	1128.16	972	523.84	50,045	1479.38							
NEVADA	6,808	1600.42	1,487	957.92	627	1495.72	5,115	2132.12	1,082	497.17	1,428	624.58	16,547	1568.74							
OREGON	4,462	1743.12	2,586	1353.32	1,061	817.17	10,727	1424.79	3,073	925.49	3,623	648.93	30,150	1367.91							
WISCONSIN	7,416	1381.61	2,936	758.70	2,125	690.41	-	-	1,143	353.62	767	230.19	14,387	1008.28							
TOTAL	91,246	1143.85	39,816	745.95	5,148	777.24	71,459	1063.31	62,010	533.88	7,604	553.25	277,223	909.05							

1/ F = 2.5 AND D = 9  
- DATA NOT AVAILABLE.

TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: BUSES

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
WINTER					SUMMER					
RURAL INTERSTATE..	144	26,953	47	25,926	RURAL INTERSTATE..	208	25,713	80	23,765	25,157
RURAL OTHER					RURAL OTHER					
PRINCIPAL	143	22,636	28	22,618	PRINCIPAL	49	24,482	9	28,211	25,547
ARTERIAL.....					ARTERIAL.....					
RURAL MINOR	2	14,150	-	-	RURAL MINOR	-	-	3	27,233	-
ARTERIAL & COLLECTOR.....	289	24,729	75	24,691	ARTERIAL & COLLECTOR.....	257	25,479	92	24,313	25,146
ALL RURAL.....					ALL RURAL.....					
URBAN INTERSTATE & OTHER F & E.....	3	29,800	1	32,000	URBAN INTERSTATE & OTHER F & E.....	32	18,925	14	20,629	19,412
URBAN OTHER					URBAN OTHER					
PRINCIPAL	309	16,768	22	17,700	PRINCIPAL	61	24,184	11	27,355	25,090
ARTERIAL.....					ARTERIAL.....					
URBAN MINOR	1	26,800	1	24,700	URBAN MINOR	5	21,680	2	33,300	25,000
ARTERIAL & COLLECTOR.....	313	16,925	24	18,588	ARTERIAL & COLLECTOR.....	98	22,339	27	24,307	22,601
ALL URBAN.....					ALL URBAN.....					
ALL FUNCTIONAL CLASSES	602	20,671	99	23,211	ALL FUNCTIONAL CLASSES	355	24,612	119	24,312	24,526
COMBINED.....					COMBINED.....					
SPRING					AUTUMN					
RURAL INTERSTATE..	154	26,902	201	30,641	RURAL INTERSTATE..	126	28,744	54	25,735	27,884
RURAL OTHER					RURAL OTHER					
PRINCIPAL	137	24,311	20	24,130	PRINCIPAL	150	26,644	31	28,642	27,215
ARTERIAL.....					ARTERIAL.....					
RURAL MINOR	-	-	-	-	RURAL MINOR	3	13,333	-	-	-
ARTERIAL & COLLECTOR.....	331	25,830	221	30,052	ARTERIAL & COLLECTOR.....	275	27,449	85	26,795	27,262
ALL RURAL.....					ALL RURAL.....					
URBAN INTERSTATE & OTHER F & E.....	5	33,840	1	33,900	URBAN INTERSTATE & OTHER F & E.....	169	14,946	17	20,653	16,577
URBAN OTHER					URBAN OTHER					
PRINCIPAL	326	17,027	24	19,492	PRINCIPAL	117	20,904	11	20,473	20,781
ARTERIAL.....					ARTERIAL.....					
URBAN MINOR	13	26,308	5	31,240	URBAN MINOR	9	21,400	4	28,925	23,950
ARTERIAL & COLLECTOR.....	344	17,622	30	21,930	ARTERIAL & COLLECTOR.....	295	17,506	32	21,625	18,683
ALL URBAN.....					ALL URBAN.....					
ALL FUNCTIONAL CLASSES	675	21,647	251	29,081	ALL FUNCTIONAL CLASSES	574	22,339	117	25,381	23,208
COMBINED.....					COMBINED.....					

- DATA NOT AVAILABLE.

TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HFMS VEHICLE CATEGORY: BUSES

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS					
RURAL INTERSTATE..	672	26,890	382	27,927	27,187
RURAL OTHER PRINCIPAL	475	24,559	88	25,656	24,872
ARTERIAL.....					
RURAL MINOR					
ARTERIAL & COLLECTOR.....	5	13,660	3	27,233	17,538
ALL RURAL.....	1,156	25,867	473	27,500	26,334
URBAN INTERSTATE & OTHER F & T.....	205	16,221	33	21,388	17,697
URBAN OTHER PRINCIPAL					
ARTERIAL.....	813	18,023	68	20,343	18,686
URBAN MINOR					
ARTERIAL & COLLECTOR.....	28	23,921	12	30,267	25,734
ALL URBAN.....	1,050	17,822	113	21,702	18,930
ALL FUNCTIONAL CLASSES	2,206	22,038	586	26,382	23,279
COMBINED.....					

TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 4 TIRE

FUNCTIONAL CLASS BY SEASON	WEEKDAY			WEEKEND			FUNCTIONAL CLASS BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	
WINTER														
RURAL INTERSTATE..	3,003	4,852	1,277	4,786	4,833		SUMMER	4,105	5,000	1,678	4,923	4,978		
RURAL OTHER							RURAL OTHER							
PRINCIPAL	2,105	6,381	893	6,422	6,393		PRINCIPAL	1,774	6,107	681	6,214	6,137		
ARTERIAL.....							ARTERIAL.....							
RURAL MINOR							RURAL MINOR							
ARTERIAL &							ARTERIAL &							
COLLECTOR.....	9	5,563	-	-	-		COLLECTOR.....	41	5,539	3	6,467	5,804		
ALL RURAL.....	5,116	5,484	2,170	5,459	5,477		ALL RURAL.....	5,920	5,335	2,362	5,297	5,525		
URBAN INTERSTATE &							URBAN INTERSTATE &							
OTHER F & E.....	8	6,800	1	7,100	6,886		OTHER F & E.....	4,756	4,530	1,447	4,565	4,540		
URBAN OTHER							URBAN OTHER							
PRINCIPAL	9,541	5,029	2,162	5,108	5,051		PRINCIPAL	4,019	5,382	1,086	5,246	5,372		
ARTERIAL.....							ARTERIAL.....							
URBAN MINOR							URBAN MINOR							
ARTERIAL &							ARTERIAL &							
COLLECTOR.....	1	5,800	-	-	-		COLLECTOR.....	71	5,283	25	4,868	5,164		
ALL URBAN.....	9,550	5,030	2,163	5,109	5,053		ALL URBAN.....	8,846	4,923	2,558	4,899	4,916		
ALL FUNCTIONAL							ALL FUNCTIONAL							
CLASSES							CLASSES							
COMBINED.....	14,666	5,188	4,333	5,284	5,216		COMBINED.....	14,766	5,088	4,520	5,090	5,689		
SPRING							AUTUMN							
RURAL INTERSTATE..	3,466	5,406	1,300	5,413	5,408		RURAL INTERSTATE..	1,748	4,840	1,008	4,861	4,846		
RURAL OTHER							RURAL OTHER							
PRINCIPAL	2,503	6,010	913	6,082	6,030		PRINCIPAL	1,244	5,879	712	6,024	5,921		
ARTERIAL.....							ARTERIAL.....							
RURAL MINOR							RURAL MINOR							
ARTERIAL &							ARTERIAL &							
COLLECTOR.....	11	7,173	-	-	-		COLLECTOR.....	17	5,871	-	-	-		
ALL RURAL.....	5,580	5,662	2,213	5,689	5,670		ALL RURAL.....	3,009	5,276	1,720	5,342	5,295		
URBAN INTERSTATE &							URBAN INTERSTATE &							
OTHER F & E.....	13	6,331	1	7,100	6,551		OTHER F & E.....	4,980	4,440	1,463	4,528	4,465		
URBAN OTHER							URBAN OTHER							
PRINCIPAL	10,238	5,042	2,574	5,039	5,041		PRINCIPAL	3,279	4,831	792	4,746	4,807		
ARTERIAL.....							ARTERIAL.....							
URBAN MINOR							URBAN MINOR							
ARTERIAL &							ARTERIAL &							
COLLECTOR.....	12	6,417	1	7,000	6,583		COLLECTOR.....	28	5,879	31	5,142	5,668		
ALL URBAN.....	10,263	5,046	2,576	5,041	5,044		ALL URBAN.....	8,287	4,599	2,486	4,605	4,601		
ALL FUNCTIONAL							ALL FUNCTIONAL							
CLASSES							CLASSES							
COMBINED.....	16,243	5,272	4,789	5,340	5,292		COMBINED.....	11,296	4,780	4,206	4,906	4,816		

- DATA NOT AVAILABLE.

TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 4 TIRE

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
	ALL SEASONS				
RURAL INTERSTATE..	12,322	5,055	5,263	4,999	5,039
RURAL OTHER					
PRINCIPAL					
ARTERIAL.....	7,626	6,113	3,139	6,192	6,136
RURAL MINOR					
ARTERIAL &					
COLLECTOR.....	77	5,552	3	6,467	6,099
ALL RURAL.....	20,025	5,462	8,455	5,450	5,458
URBAN INTERSTATE &					
OTHER F & E....	5,757	4,488	3,112	4,546	4,505
URBAN OTHER					
PRINCIPAL					
ARTERIAL.....	27,077	5,062	6,614	5,077	5,066
URBAN MINOR					
ARTERIAL &					
COLLECTOR.....	112	5,556	57	5,054	5,414
ALL URBAN.....	36,946	4,912	9,783	4,908	4,911
ALL FUNCTIONAL CLASSES	56,971	5,105	18,248	5,160	5,121
COMBINED.....					



TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 6 TIRE

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	
WINTER					SUMMER					
RURAL INTERSTATE	1,833	12,274	352	10,907	RURAL INTERSTATE	2,164	12,564	411	11,501	12,261
RURAL OTHER					RURAL OTHER					
PRINCIPAL					PRINCIPAL					
ARTERIAL	1,631	13,858	382	13,712	ARTERIAL	1,246	13,564	226	12,566	13,279
RURAL MINOR					RURAL MINOR					
ARTERIAL &					ARTERIAL &					
COLLECTOR	449	14,177	63	13,149	COLLECTOR	406	12,486	63	13,525	12,783
ALL RURAL	3,513	13,153	797	12,429	ALL RURAL	3,816	12,882	700	12,027	12,638
URBAN INTERSTATE &					URBAN INTERSTATE &					
OTHER F & E	720	14,367	103	14,148	OTHER F & E	1,920	12,287	353	11,976	12,198
URBAN OTHER					URBAN OTHER					
PRINCIPAL					PRINCIPAL					
ARTERIAL	2,303	12,224	247	11,653	ARTERIAL	1,710	13,222	222	11,587	12,755
URBAN MINOR					URBAN MINOR					
ARTERIAL &					ARTERIAL &					
COLLECTOR	501	12,603	18	9,444	COLLECTOR	636	12,641	53	11,326	12,265
ALL URBAN	3,529	12,715	368	12,243	ALL URBAN	4,266	12,714	628	11,783	12,448
ALL FUNCTIONAL CLASSES					ALL FUNCTIONAL CLASSES					
COMBINED	7,442	12,945	1,165	12,370	COMBINED	8,082	12,794	1,328	11,912	12,542
SPRING					AUTUMN					
RURAL INTERSTATE	1,811	13,173	522	11,839	RURAL INTERSTATE	1,425	12,488	368	11,742	12,275
RURAL OTHER					RURAL OTHER					
PRINCIPAL					PRINCIPAL					
ARTERIAL	1,600	14,055	213	13,019	ARTERIAL	1,092	13,915	200	11,538	13,350
RURAL MINOR					RURAL MINOR					
ARTERIAL &					ARTERIAL &					
COLLECTOR	441	12,530	51	13,170	COLLECTOR	557	12,598	67	12,645	12,669
ALL RURAL	3,852	13,482	826	12,290	ALL RURAL	3,074	13,015	635	11,920	12,702
URBAN INTERSTATE &					URBAN INTERSTATE &					
OTHER F & E	545	13,799	131	13,524	OTHER F & E	2,136	12,601	309	11,460	12,275
URBAN OTHER					URBAN OTHER					
PRINCIPAL					PRINCIPAL					
ARTERIAL	2,902	12,845	269	11,746	ARTERIAL	1,707	12,487	151	11,095	12,089
URBAN MINOR					URBAN MINOR					
ARTERIAL &					ARTERIAL &					
COLLECTOR	577	12,821	98	11,203	COLLECTOR	538	12,494	95	10,974	12,059
ALL URBAN	4,424	13,045	498	12,107	ALL URBAN	4,381	12,543	555	11,277	12,182
ALL FUNCTIONAL CLASSES					ALL FUNCTIONAL CLASSES					
COMBINED	8,276	13,249	1,324	12,221	COMBINED	7,455	12,738	1,190	11,620	12,418

TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 6 TIRE

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT	FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT			VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
WINTER						SUMMER					
RURAL INTERSTATE...	1,833	12,274	352	10,907	11,884	RURAL INTERSTATE...	2,164	12,564	411	11,501	12,261
RURAL OTHER						RURAL OTHER					
PRINCIPAL	1,631	13,858	382	13,712	13,816	PRINCIPAL	1,246	13,564	226	12,566	13,279
RURAL MINOR						RURAL MINOR					
ARTERIAL &						ARTERIAL &					
COLLECTOR.....	449	14,177	63	13,149	13,883	COLLECTOR.....	406	12,486	63	13,525	12,783
ALL RURAL.....	3,513	13,153	797	12,429	12,946	ALL RURAL.....	3,816	12,882	700	12,027	12,638
URBAN INTERSTATE &						URBAN INTERSTATE &					
OTHER F & E.....	720	14,367	103	14,148	14,304	OTHER F & E.....	1,920	12,287	353	11,976	12,198
URBAN OTHER						URBAN OTHER					
PRINCIPAL	2,308	12,224	247	11,653	12,061	PRINCIPAL	1,710	13,222	222	11,587	12,755
ARTERIAL.....						ARTERIAL.....					
URBAN MINOR						URBAN MINOR					
ARTERIAL &						ARTERIAL &					
COLLECTOR.....	501	12,603	18	9,444	11,700	COLLECTOR.....	636	12,641	53	11,326	12,265
ALL URBAN.....	3,529	12,715	368	12,243	12,580	ALL URBAN.....	4,266	12,714	628	11,783	12,448
ALL FUNCTIONAL CLASSES						ALL FUNCTIONAL CLASSES					
COMBINED.....	7,442	12,545	1,165	12,370	12,781	COMBINED.....	8,082	12,794	1,328	11,912	12,542
SPRING						AUTUMN					
RURAL INTERSTATE...	1,811	13,173	522	11,839	12,752	RURAL INTERSTATE...	1,425	12,488	368	11,742	12,275
RURAL OTHER						RURAL OTHER					
PRINCIPAL	1,600	14,055	213	13,019	13,788	PRINCIPAL	1,092	13,915	200	11,538	13,350
ARTERIAL.....						ARTERIAL.....					
RURAL MINOR						RURAL MINOR					
ARTERIAL &						ARTERIAL &					
COLLECTOR.....	441	12,530	51	13,170	12,713	COLLECTOR.....	557	12,598	67	12,845	12,669
ALL RURAL.....	3,852	13,482	826	12,290	13,142	ALL RURAL.....	3,074	13,015	635	11,920	12,702
URBAN INTERSTATE &						URBAN INTERSTATE &					
OTHER F & E.....	545	13,793	131	13,524	13,720	OTHER F & E.....	2,136	12,601	309	11,460	12,275
URBAN OTHER						URBAN OTHER					
PRINCIPAL	2,902	12,845	269	11,746	12,831	PRINCIPAL	1,707	12,487	151	11,095	12,089
ARTERIAL.....						ARTERIAL.....					
URBAN MINOR						URBAN MINOR					
ARTERIAL &						ARTERIAL &					
COLLECTOR.....	577	12,821	98	11,203	12,359	COLLECTOR.....	538	12,494	95	10,974	12,059
ALL URBAN.....	4,424	13,045	498	12,107	12,777	ALL URBAN.....	4,381	12,543	555	11,277	12,182
ALL FUNCTIONAL CLASSES						ALL FUNCTIONAL CLASSES					
COMBINED.....	8,276	13,249	1,324	12,221	12,955	COMBINED.....	7,455	12,738	1,190	11,620	12,418

TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 6 TIRE

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS					
RURAL INTERSTATE	7,233	12,628	1,653	11,535	12,316
RURAL OTHER PRINCIPAL					
ARTERIAL	5,569	13,872	1,021	12,966	13,613
RURAL MINCK					
ARTERIAL & COLLECTOR	1,853	12,940	284	13,168	13,005
ALL RURAL	14,655	13,140	2,958	12,186	12,867
URBAN INTERSTATE & OTHER F & E	5,721	12,916	896	12,274	12,732
URBAN OTHER PRINCIPAL					
ARTERIAL	8,627	12,683	889	11,570	12,365
URBAN MINCK					
ARTERIAL & COLLECTOR	2,252	12,643	264	11,025	12,181
ALL URBAN	16,600	12,758	2,049	11,808	12,486
ALL FUNCTIONAL CLASSES					
COMBINED	31,255	12,937	5,007	12,031	12,678

TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: SINGLE UNIT - 3 AXLE OR MORE

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
WINTER					SUMMER										
RURAL INTERSTATE..	417	27,522	51	23,467	RURAL INTERSTATE..	389	27,708	35	25,677	27,128					
RURAL OTHER					RURAL OTHER										
PRINCIPAL					PRINCIPAL										
ARTERIAL.....	365	29,065	81	26,935	ARTERIAL.....	300	29,895	28	23,056	27,953					
RURAL MINOR					RURAL MINOR										
ARTERIAL &					ARTERIAL &										
COLLECTOR.....	119	30,374	8	24,700	COLLECTOR.....	90	24,861	15	30,847	26,571					
ALL RURAL.....	901	28,524	146	25,544	ALL RURAL.....	779	28,222	82	25,741	27,513					
URBAN INTERSTATE &					URBAN INTERSTATE &										
OTHER F & E.....	393	27,032	42	24,267	OTHER F & E.....	711	28,431	62	19,956	26,010					
URBAN OTHER					URBAN OTHER										
PRINCIPAL					PRINCIPAL										
ARTERIAL.....	1,342	25,848	157	25,127	ARTERIAL.....	585	29,375	47	25,049	28,139					
URBAN MINOR					URBAN MINOR										
ARTERIAL &					ARTERIAL &										
COLLECTOR.....	209	23,440	-	-	COLLECTOR.....	373	26,389	9	27,578	26,729					
ALL URBAN.....	1,935	25,840	199	24,945	ALL URBAN.....	1,669	28,306	118	22,566	26,666					
ALL FUNCTIONAL					ALL FUNCTIONAL										
CLASSES					CLASSES										
COMBINED.....	2,636	26,692	339	25,192	COMBINED.....	2,448	28,279	200	23,868	27,019					
SPRING					AUTUMN										
RURAL INTERSTATE..	342	29,289	58	25,376	RURAL INTERSTATE..	328	26,843	78	25,688	26,513					
RURAL OTHER					RURAL OTHER										
PRINCIPAL					PRINCIPAL										
ARTERIAL.....	331	28,724	15	25,693	ARTERIAL.....	313	28,961	36	21,022	26,693					
RURAL MINOR					RURAL MINOR										
ARTERIAL &					ARTERIAL &										
COLLECTOR.....	125	26,735	25	22,308	COLLECTOR.....	155	30,274	18	29,939	30,178					
ALL RURAL.....	759	28,652	96	24,642	ALL RURAL.....	796	28,344	132	24,995	27,387					
URBAN INTERSTATE &					URBAN INTERSTATE &										
OTHER F & E.....	531	27,520	40	23,285	OTHER F & E.....	821	28,632	54	21,063	26,470					
URBAN OTHER					URBAN OTHER										
PRINCIPAL					PRINCIPAL										
ARTERIAL.....	1,121	30,750	75	28,485	ARTERIAL.....	527	32,761	40	21,643	29,584					
URBAN MINOR					URBAN MINOR										
ARTERIAL &					ARTERIAL &										
COLLECTOR.....	283	27,310	17	25,053	COLLECTOR.....	216	30,982	56	35,593	32,300					
ALL URBAN.....	1,935	29,384	132	25,467	ALL URBAN.....	1,564	30,348	150	26,642	29,289					
ALL FUNCTIONAL					ALL FUNCTIONAL										
CLASSES					CLASSES										
COMBINED.....	2,724	29,170	230	25,690	COMBINED.....	2,360	29,672	202	25,871	28,586					

- DATA NOT AVAILABLE.

TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: SINGLE UNIT - 3 AXLE OR MORE

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
	ALL SEASONS				
RURAL INTERSTATE...	1,476	27,830	226	25,105	27,051
RURAL OTHER PRINCIPAL					
ARTERIAL.....	1,309	29,144	160	24,816	27,508
RURAL MINCK ARTERIAL & COLLECTOR.....	490	28,393	66	26,620	27,887
ALL RURAL.....	3,275	28,439	452	25,224	27,521
URBAN INTERSTATE & OTHER F & E.....	2,456	28,078	198	21,845	26,297
URBAN OTHER PRINCIPAL					
ARTERIAL.....	3,575	28,994	319	25,468	27,986
URBAN MINCK ARTERIAL & COLLECTOR.....	1,072	27,007	82	32,528	28,585
ALL URBAN.....	7,103	28,377	599	25,237	27,480
ALL FUNCTIONAL CLASSES					
COMBINED.....	10,378	28,357	1,051	25,231	27,492

TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 3 AXLE

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT	FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT			VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
WINTER						SUMMER					
RURAL INTERSTATE..	227	28,387	36	30,928	25,113	RURAL INTERSTATE..	217	28,521	32	26,363	27,904
RURAL OTHER						RURAL OTHER					
PRINCIPAL	132	26,884	11	28,873	27,452	PRINCIPAL	114	27,504	14	29,293	28,015
ARTERIAL.....						ARTERIAL.....					
RURAL MINOR						RURAL MINOR					
ARTERIAL & COLLECTOR.....	35	25,197	2	29,900	26,541	ARTERIAL & COLLECTOR.....	16	24,938	3	20,200	23,584
ALL RURAL.....	394	27,600	49	30,424	28,407	ALL RURAL.....	347	28,022	45	26,822	27,679
URBAN INTERSTATE & OTHER F & E.....	222	26,617	21	30,886	27,837	URBAN INTERSTATE & OTHER F & E.....	329	26,353	59	27,444	26,665
URBAN OTHER						URBAN OTHER					
PRINCIPAL	166	26,083	6	25,917	26,036	PRINCIPAL	125	26,324	9	29,667	27,279
ARTERIAL.....						ARTERIAL.....					
URBAN MINOR						URBAN MINOR					
ARTERIAL & COLLECTOR.....	86	21,373				ARTERIAL & COLLECTOR.....	107	23,829	3	22,700	23,906
ALL URBAN.....	474	25,479	27	29,781	26,708	ALL URBAN.....	561	25,865	71	27,525	26,339
ALL FUNCTIONAL CLASSES						ALL FUNCTIONAL CLASSES					
COMBINED.....	868	26,442	76	30,196	27,514	COMBINED.....	908	26,689	120	27,238	26,846
SPRING						AUTUMN					
RURAL INTERSTATE..	278	28,969	59	26,436	28,245	RURAL INTERSTATE..	196	28,514	46	27,454	28,211
RURAL OTHER						RURAL OTHER					
PRINCIPAL	247	27,574	11	28,400	27,810	PRINCIPAL	131	28,032	6	30,300	28,680
ARTERIAL.....						ARTERIAL.....					
RURAL MINOR						RURAL MINOR					
ARTERIAL & COLLECTOR.....	28	24,346	7	23,057	23,978	ARTERIAL & COLLECTOR.....	20	23,010	2	19,500	22,007
ALL RURAL.....	553	28,112	77	26,409	27,625	ALL RURAL.....	347	28,015	54	27,476	27,861
URBAN INTERSTATE & OTHER F & E.....	312	27,291	44	26,668	27,113	URBAN INTERSTATE & OTHER F & E.....	370	26,427	53	27,277	26,670
URBAN OTHER						URBAN OTHER					
PRINCIPAL	227	24,716	9	27,756	25,585	PRINCIPAL	144	25,537	2	29,200	26,583
ARTERIAL.....						ARTERIAL.....					
URBAN MINOR						URBAN MINOR					
ARTERIAL & COLLECTOR.....	108	22,435	4	24,700	23,082	ARTERIAL & COLLECTOR.....	39	24,518	3	14,900	21,770
ALL URBAN.....	647	25,577	57	26,702	25,899	ALL URBAN.....	553	26,060	58	26,703	26,244
ALL FUNCTIONAL CLASSES						ALL FUNCTIONAL CLASSES					
COMBINED.....	1,200	26,745	134	26,534	26,685	COMBINED.....	900	26,814	112	27,076	26,889

- DATA NOT AVAILABLE.

TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 3 AXLE

FUNCTIONAL CLASS BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS							
RURAL INTERSTATE..	918	28,622	173	27,628			28,338
RURAL OTHER							
PRINCIPAL							
ARTERIAL.....	624	27,512	42	29,093			27,963
RURAL MINCK							
ARTERIAL &							
COLLECTOR.....	99	24,473	14	22,914			24,027
ALL RURAL.....	1,641	27,949	229	27,608			27,852
URBAN INTERSTATE &							
OTHER F & E....	1,233	26,660	177	27,610			26,931
URBAN OTHER							
PRINCIPAL							
ARTERIAL.....	662	25,541	26	28,104			26,273
URBAN MINCK							
ARTERIAL &							
COLLECTOR.....	340	22,844	10	21,160			22,363
ALL URBAN.....	2,235	25,748	213	27,367			26,211
ALL FUNCTIONAL							
CLASSES							
COMBINED.....	3,876	26,680	442	27,492			26,912

TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE 2S2

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT	FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT			VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
WINTER						SUMMER					
RURAL INTERSTATE	1,203	36,681	217	38,744	37,271	RURAL INTERSTATE	1,121	37,008	151	39,602	37,749
RURAL OTHER PRINCIPAL	1,060	36,540	153	38,938	37,511	RURAL OTHER PRINCIPAL	682	37,029	64	41,064	38,182
RURAL INTERSTATE & OTHER F & E	48	34,088	8	33,613	33,952	RURAL MINOR	50	32,098	18	32,356	32,172
ALL RURAL	2,311	36,746	418	38,736	37,315	ARTERIAL & COLLECTOR	1,853	36,883	233	39,444	37,615
URBAN INTERSTATE & OTHER F & E	446	35,274	78	36,177	35,532	ALL RURAL	1,105	37,415	135	35,875	36,976
URBAN OTHER PRINCIPAL	655	38,189	75	38,137	38,174	URBAN INTERSTATE & OTHER F & E	429	40,160	68	41,681	40,651
URBAN INTERSTATE & OTHER F & E	48	31,585	-	-	-	PRINCIPAL	70	32,067	-	-	-
ALL URBAN	1,149	36,798	153	37,138	36,895	ARTERIAL & COLLECTOR	1,604	37,916	203	37,889	37,908
ALL FUNCTIONAL CLASSES	3,460	36,764	571	38,308	37,205	ALL URBAN	3,457	37,362	436	38,720	37,750
SPRING						ALL FUNCTIONAL CLASSES	863	36,825	190	38,237	37,229
RURAL INTERSTATE	1,029	36,971	252	37,390	37,051	COMBINED	460	36,528	67	38,175	36,998
RURAL OTHER PRINCIPAL	793	37,329	59	40,480	38,229	ARTERIAL & COLLECTOR	34	33,274	1	14,200	27,853
RURAL INTERSTATE & OTHER F & E	51	30,631	7	39,143	33,063	ALL RURAL	1,357	36,635	258	38,128	37,062
ALL RURAL	1,873	36,950	318	38,002	37,250	URBAN INTERSTATE & OTHER F & E	1,363	36,267	140	35,771	36,126
URBAN INTERSTATE & OTHER F & E	551	35,005	99	35,393	35,116	URBAN OTHER PRINCIPAL	530	35,061	85	28,749	33,257
URBAN OTHER PRINCIPAL	817	41,616	73	45,938	42,851	ARTERIAL & COLLECTOR	37	34,922	3	34,167	34,706
URBAN INTERSTATE & OTHER F & E	65	30,166	2	32,250	30,776	ALL URBAN	1,930	35,910	228	33,132	35,916
ALL URBAN	1,433	38,555	174	35,781	38,906	ALL FUNCTIONAL CLASSES	3,287	36,210	486	35,784	36,088
ALL FUNCTIONAL CLASSES	3,306	37,646	492	38,631	37,927	COMBINED					

- DATA NOT AVAILABLE.



TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE 2S2

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS					
RURAL INTERSTATE	4,216	36,868	810	38,364	37,296
RURAL OTHER					
PRINCIPAL					
ARTERIAL	2,995	37,000	383	39,397	37,685
RURAL MINCK					
ARTERIAL &					
COLLECTOR	183	32,430	34	33,518	32,740
ALL RURAL	7,394	36,812	1,227	38,552	37,309
URBAN INTERSTATE &					
OTHER F & E	3,465	36,305	452	35,790	36,158
URBAN OTHER					
PRINCIPAL					
ARTERIAL	2,431	39,006	301	38,224	38,783
URBAN MINCR					
ARTERIAL &					
COLLECTOR	220	31,974	5	33,400	32,381
ALL URBAN	6,116	37,223	758	36,741	37,085
ALL FUNCTIONAL CLASSES	13,510	36,598	1,985	37,861	37,244
COMBINED					

TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE OTHER

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		VEHICLES IN SAMPLE	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	
WINTER					SUMMER										
RURAL INTERSTATE..	76	24,884	17	28,106	RURAL INTERSTATE..	84	24,301	24	21,167						23,577
RURAL OTHER					RURAL OTHER										
PRINCIPAL					PRINCIPAL										
ARTERIAL.....	23	25,651	1	24,000	ARTERIAL.....	41	25,937	12	20,258						24,314
RURAL MINOR					RURAL MINOR										
ARTERIAL &					ARTERIAL &										
COLLECTOR.....	12	24,975	2	26,400	COLLECTOR.....	6	14,900	2	13,600						14,586
ALL RURAL.....	111	25,268	20	27,730	ALL RURAL.....	131	24,382	38	20,671						23,275
URBAN INTERSTATE &					URBAN INTERSTATE &										
OTHER F & E.....	48	25,202	22	28,086	OTHER F & E.....	92	22,377	27	18,711						21,330
URBAN OTHER					URBAN OTHER										
PRINCIPAL					PRINCIPAL										
ARTERIAL.....	29	25,810	1	11,400	ARTERIAL.....	24	23,104	10	20,130						22,254
URBAN MINOR					URBAN MINOR										
ARTERIAL &					ARTERIAL &										
COLLECTOR.....	13	22,508	1	22,400	COLLECTOR.....	25	24,728	2	17,500						22,663
ALL URBAN.....	50	25,009	24	27,154	ALL URBAN.....	141	22,918	39	19,013						21,802
ALL FUNCTIONAL					ALL FUNCTIONAL										
CLASSES					CLASSES										
COMBINED.....	201	25,152	44	27,416	COMBINED.....	272	23,623	77	19,930						22,568
SPRING					AUTUMN										
RURAL INTERSTATE..	63	27,078	32	21,250	RURAL INTERSTATE..	91	27,187	27	21,944						25,685
RURAL OTHER					RURAL OTHER										
PRINCIPAL					PRINCIPAL										
ARTERIAL.....	41	27,856	3	18,933	ARTERIAL.....	38	27,139	8	23,238						26,025
RURAL MINOR					RURAL MINOR										
ARTERIAL &					ARTERIAL &										
COLLECTOR.....	12	22,150	4	19,375	COLLECTOR.....	14	22,121	-	-						-
ALL RURAL.....	116	26,843	39	20,879	ALL RURAL.....	143	26,678	35	22,240						25,410
URBAN INTERSTATE &					URBAN INTERSTATE &										
OTHER F & E.....	101	22,111	16	22,644	OTHER F & E.....	105	25,265	31	20,548						23,917
URBAN OTHER					URBAN OTHER										
PRINCIPAL					PRINCIPAL										
ARTERIAL.....	38	25,113	2	18,300	ARTERIAL.....	25	26,984	3	16,600						24,017
URBAN MINOR					URBAN MINOR										
ARTERIAL &					ARTERIAL &										
COLLECTOR.....	28	26,321	-	-	COLLECTOR.....	23	24,083	7	16,871						22,022
ALL URBAN.....	167	23,500	16	22,161	ALL URBAN.....	153	25,368	41	19,632						23,729
ALL FUNCTIONAL					ALL FUNCTIONAL										
CLASSES					CLASSES										
COMBINED.....	283	24,870	57	21,284	COMBINED.....	296	26,001	76	20,833						24,524

- DATA NOT AVAILABLE.

TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE OTHER

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS					
RURAL INTERSTATE	314	25,836	100	22,727	24,947
RURAL OTHER					
PRINCIPAL					
ARTERIAL	143	26,928	24	21,242	25,303
RURAL MINOR					
ARTERIAL & COLLECTOR	44	21,923	8	19,738	21,298
ALL RURAL	501	25,804	132	22,276	24,796
URBAN INTERSTATE & OTHER F & E	346	23,568	96	22,108	23,151
URBAN OTHER					
PRINCIPAL					
ARTERIAL	116	25,275	16	18,694	23,355
URBAN MINOR					
ARTERIAL & COLLECTOR	89	24,736	10	17,550	22,684
ALL URBAN	551	24,116	122	21,287	23,308
ALL FUNCTIONAL CLASSES	1,052	24,520	254	21,801	24,029
COMBINED					

TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE JS2

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
WINTER										
RURAL INTERSTATE..	10,364	54,939	3,487	60,526	SUMMER	8,536	55,247	2,383	60,373	56,711
RURAL OTHER					RURAL OTHER					
PRINCIPAL	3,537	51,216	643	53,564	PRINCIPAL	2,987	51,339	517	51,263	51,317
ARTERIAL					ARTERIAL					
RURAL MINOR					RURAL MINOR					
ARTERIAL &					ARTERIAL &					
COLLECTOR.....	468	52,927	50	53,140	COLLECTOR.....	313	49,992	26	50,277	50,073
ALL RURAL.....	14,389	53,954	4,186	59,361	ALL RURAL.....	11,836	54,122	2,926	58,673	55,422
URBAN INTERSTATE &					URBAN INTERSTATE &					
OTHER F & E.....	6,651	55,862	1,504	59,254	OTHER F & E.....	8,545	52,173	1,741	56,478	53,403
URBAN OTHER					URBAN OTHER					
PRINCIPAL					PRINCIPAL					
ARTERIAL.....	2,440	54,249	312	57,988	ARTERIAL.....	2,082	57,302	380	65,599	59,616
URBAN MINOR					URBAN MINOR					
ARTERIAL &					ARTERIAL &					
COLLECTOR.....	513	45,458	4	54,900	COLLECTOR.....	777	48,713	2	39,600	46,109
ALL URBAN.....	9,644	54,859	1,820	59,027	ALL URBAN.....	11,404	52,874	2,123	58,059	54,356
ALL FUNCTIONAL CLASSES					ALL FUNCTIONAL CLASSES					
COMBINED.....	24,033	54,341	6,006	59,260	COMBINED.....	23,240	53,509	5,049	58,415	54,911
SPRING					AUTUMN					
RURAL INTERSTATE..	9,603	56,398	4,240	60,420	RURAL INTERSTATE..	8,564	55,370	3,548	58,162	56,168
RURAL OTHER					RURAL OTHER					
PRINCIPAL					PRINCIPAL					
ARTERIAL.....	4,322	54,080	420	60,304	ARTERIAL.....	2,840	51,501	527	54,710	52,418
RURAL MINOR					RURAL MINOR					
ARTERIAL &					ARTERIAL &					
COLLECTOR.....	375	52,080	78	48,658	COLLECTOR.....	354	52,693	50	56,130	53,065
ALL RURAL.....	14,300	55,584	4,743	60,217	ALL RURAL.....	11,758	54,355	4,129	57,696	55,909
URBAN INTERSTATE &					URBAN INTERSTATE &					
OTHER F & E.....	7,507	56,223	2,120	60,219	OTHER F & E.....	8,517	50,414	2,081	59,475	53,003
URBAN OTHER					URBAN OTHER					
PRINCIPAL					PRINCIPAL					
ARTERIAL.....	3,306	56,317	453	63,873	ARTERIAL.....	1,431	51,906	206	59,050	53,547
URBAN MINOR					URBAN MINOR					
ARTERIAL &					ARTERIAL &					
COLLECTOR.....	670	43,076	12	44,783	COLLECTOR.....	293	49,453	13	51,054	49,911
ALL URBAN.....	11,483	55,483	2,585	60,788	ALL URBAN.....	10,241	50,595	2,300	59,389	53,106
ALL FUNCTIONAL CLASSES					ALL FUNCTIONAL CLASSES					
COMBINED.....	25,783	55,539	7,326	60,418	COMBINED.....	21,999	52,605	6,425	58,302	54,233

TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE 3S2

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS					
RURAL INTERSTATE	37,587	55,501	13,658	59,852	56,744
RURAL OTHER					
PRINCIPAL					
ARTERIAL	13,686	52,207	2,112	54,649	52,904
RURAL MINOR					
ARTERIAL					
COLLECTOR	1,510	52,056	210	51,834	51,992
ALL RURAL	52,283	54,539	15,980	59,059	55,830
URBAN INTERSTATE & OTHER F & E	31,260	53,443	7,446	58,942	55,014
URBAN OTHER					
PRINCIPAL					
ARTERIAL	9,259	55,312	1,351	62,208	57,282
MINOR					
ARTERIAL & COLLECTOR	2,253	46,391	31	48,384	46,961
ALL URBAN	42,772	53,476	8,828	59,404	55,170
ALL FUNCTIONAL CLASSES	95,055	54,061	24,808	59,182	55,524
COMBINED					

TABLE 5. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE OTHER

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
WINTER					SUMMER					
RURAL INTERSTATE..	830	62,341	154	68,226	RURAL INTERSTATE..	815	62,180	184	64,195	62,928
RURAL OTHER					RURAL OTHER					
PRINCIPAL					PRINCIPAL					
ARTERIAL.....	125	58,422	10	62,260	ARTERIAL.....	145	60,290	8	57,600	59,521
RURAL MINOR					RURAL MINOR					
ARTERIAL &					ARTERIAL &					
COLLECTOR.....	40	58,143	9	63,822	COLLECTOR.....	33	68,967	8	59,088	66,144
ALL RURAL.....	555	61,680	173	67,652	ALL RURAL.....	1,001	62,122	200	64,283	62,740
URBAN INTERSTATE &					URBAN INTERSTATE &					
OTHER F & E....	663	61,018	223	60,994	OTHER F & E....	756	60,419	275	59,265	60,090
URBAN OTHER					URBAN OTHER					
PRINCIPAL					PRINCIPAL					
ARTERIAL.....	97	54,007	8	46,338	ARTERIAL.....	152	53,849	4	25,475	45,742
URBAN MINOR					URBAN MINOR					
ARTERIAL &					ARTERIAL &					
COLLECTOR.....	134	46,648	-	-	COLLECTOR.....	168	47,465	-	-	-
ALL URBAN.....	894	58,103	231	60,486	ALL URBAN.....	1,076	57,468	279	58,785	57,644
ALL FUNCTIONAL CLASSES					ALL FUNCTIONAL CLASSES					
COMBINED.....	1,889	59,587	404	63,555	COMBINED.....	2,077	59,711	479	61,080	60,102
SPRING					AUTUMN					
RURAL INTERSTATE..	778	59,982	259	60,729	RURAL INTERSTATE..	1,141	62,057	342	57,488	60,752
RURAL OTHER					RURAL OTHER					
PRINCIPAL					PRINCIPAL					
ARTERIAL.....	209	61,709	11	65,182	ARTERIAL.....	182	60,722	9	73,067	64,249
RURAL MINOR					RURAL MINOR					
ARTERIAL &					ARTERIAL &					
COLLECTOR.....	54	66,578	9	60,656	COLLECTOR.....	53	59,900	-	-	-
ALL RURAL.....	1,041	60,671	319	60,881	ALL RURAL.....	1,376	61,798	351	57,687	60,680
URBAN INTERSTATE &					URBAN INTERSTATE &					
OTHER F & E....	532	57,008	228	59,553	OTHER F & E....	605	61,891	193	63,267	62,284
URBAN OTHER					URBAN OTHER					
PRINCIPAL					PRINCIPAL					
ARTERIAL.....	176	52,056	9	34,111	ARTERIAL.....	81	44,753	7	65,243	50,607
URBAN MINOR					URBAN MINOR					
ARTERIAL &					ARTERIAL &					
COLLECTOR.....	229	57,286	2	34,550	COLLECTOR.....	112	54,524	2	47,300	52,460
ALL URBAN.....	1,337	52,978	239	58,385	ALL URBAN.....	798	59,118	202	63,177	60,278
ALL FUNCTIONAL CLASSES					ALL FUNCTIONAL CLASSES					
COMBINED.....	2,378	56,346	558	59,812	COMBINED.....	2,174	60,814	553	59,820	60,530

- DATA NOT AVAILABLE.

TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE OTHER

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS					
RURAL INTERSTATE	3,568	61,699	979	61,541	61,654
RURAL OTHER					
PRINCIPAL					
ARTERIAL	665	60,503	38	64,684	61,698
RURAL MINCK					
ARTERIAL &					
COLLECTOR	180	63,175	26	61,269	62,630
ALL RURAL	4,413	61,579	1,043	61,649	61,599
URBAN INTERSTATE &					
OTHER F & E	2,956	59,779	919	60,597	60,013
URBAN OTHER					
PRINCIPAL					
ARTERIAL	506	51,799	28	44,154	49,615
URBAN MINCK					
ARTERIAL &					
COLLECTOR	643	44,899	4	40,925	43,764
ALL URBAN	4,105	56,465	951	60,031	57,483
ALL FUNCTIONAL					
CLASSES	8,518	59,114	1,994	60,877	59,618
COMBINED					

TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 6 AXLE OR MORE

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT	FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT			VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	
WINTER						SUMMER					
RURAL INTERSTATE	206	67,743	37	66,424	67,366	RURAL INTERSTATE	255	71,485	108	76,687	72,971
RURAL OTHER						RURAL OTHER					
PRINCIPAL						PRINCIPAL					
ARTERIAL	43	55,637	6	59,117	56,631	ARTERIAL	37	60,916	11	49,600	57,512
RURAL MINOR						RURAL MINOR					
ARTERIAL & COLLECTOR	12	62,367	1	39,800	55,919	ARTERIAL & COLLECTOR	18	58,500	-	-	-
ALL RURAL	261	65,501	44	64,823	65,307	ALL RURAL	310	69,470	119	74,128	70,601
URBAN INTERSTATE & OTHER F & E	166	66,475	27	72,030	68,062	URBAN INTERSTATE & OTHER F & E	222	63,326	66	75,815	66,894
URBAN OTHER						URBAN OTHER					
PRINCIPAL						PRINCIPAL					
ARTERIAL	48	70,825	6	79,233	73,227	ARTERIAL	42	58,474	3	73,767	62,843
URBAN MINOR						URBAN MINOR					
ARTERIAL & COLLECTOR	13	47,200	-	-	-	ARTERIAL & COLLECTOR	20	43,635	-	-	-
ALL URBAN	227	60,231	33	73,339	68,305	ALL URBAN	284	61,222	65	75,126	65,366
ALL FUNCTIONAL CLASSES						ALL FUNCTIONAL CLASSES					
COMBINED	488	65,868	77	68,473	66,613	COMBINED	594	65,526	188	74,714	68,151
SPRING						AUTUMN					
RURAL INTERSTATE	246	66,357	120	71,903	67,942	RURAL INTERSTATE	292	67,976	86	71,233	68,906
RURAL OTHER						RURAL OTHER					
PRINCIPAL						PRINCIPAL					
ARTERIAL	57	65,748	6	51,883	61,801	ARTERIAL	57	63,884	3	61,133	63,098
RURAL MINOR						RURAL MINOR					
ARTERIAL & COLLECTOR	24	57,946	-	-	-	ARTERIAL & COLLECTOR	11	63,991	1	77,600	67,879
ALL RURAL	327	65,637	120	70,949	67,155	ALL RURAL	360	67,206	90	70,967	68,281
URBAN INTERSTATE & OTHER F & E	178	65,922	30	66,516	66,092	URBAN INTERSTATE & OTHER F & E	231	65,870	41	61,466	64,611
URBAN OTHER						URBAN OTHER					
PRINCIPAL						PRINCIPAL					
ARTERIAL	62	64,052	1	96,500	73,894	ARTERIAL	39	65,133	12	79,600	69,095
URBAN MINOR						URBAN MINOR					
ARTERIAL & COLLECTOR	19	48,026	1	27,200	42,076	ARTERIAL & COLLECTOR	7	53,929	-	-	-
ALL URBAN	259	64,162	46	66,333	64,782	ALL URBAN	277	65,464	53	65,436	65,456
ALL FUNCTIONAL CLASSES						ALL FUNCTIONAL CLASSES					
COMBINED	586	64,985	160	69,837	66,371	COMBINED	637	66,449	143	68,917	67,154

- DATA NOT AVAILABLE.



TABLE 9. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 6 AXLE OR MORE

FUNCTIONAL CLASS BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS					
RURAL INTERSTATE..	599	68,425	351	72,633	69,627
RURAL OTHER PRINCIPAL ARTERIAL.....	194	62,044	26	53,400	59,574
RURAL MINOR ARTERIAL & COLLECTOR.....	65	59,538	2	58,700	59,585
ALL RURAL.....	1,258	67,002	379	71,240	68,213
URBAN INTERSTATE & OTHER F & E.....	797	65,259	172	69,746	66,570
URBAN OTHER PRINCIPAL ARTERIAL.....	191	64,748	22	79,236	68,888
URBAN MINOR ARTERIAL & COLLECTOR.....	59	47,056	1	27,200	41,383
ALL URBAN.....	1,047	64,170	195	70,598	66,007
ALL FUNCTIONAL CLASSES					
CCOMBINED.....	2,305	65,716	574	71,022	67,232

TABLE 10. AVERAGE GROSS WEIGHTS BY HOUR AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: BUSES

HOUR	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		ALL RURAL		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL URBAN		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT
00	68	27,431	4	20,950	-	-	72	27,071	2	15,700	9	9,500	-	-	11	10,627	83	24,892
01	24	25,938	2	7,450	-	-	26	24,515	1	32,000	4	8,150	-	-	5	12,920	31	22,645
02	5	29,960	6	22,467	-	-	11	23,145	-	-	1	4,200	-	-	1	4,200	12	21,957
03	5	27,600	-	-	-	-	5	27,600	3	26,867	5	16,340	-	-	8	20,288	13	23,100
04	34	28,644	1	120,500	-	-	35	28,411	-	-	3	4,067	-	-	3	4,067	38	26,489
05	29	27,962	3	35,667	-	-	32	28,684	2	34,500	6	12,833	-	-	8	18,250	40	26,498
06	69	35,557	9	24,955	-	-	78	35,213	7	18,086	77	20,316	1	32,100	85	20,271	246	25,469
07	22	27,441	5	20,507	-	-	27	27,441	11	10,791	118	17,511	2	33,300	131	17,188	220	19,224
08	36	26,036	4	27,414	-	-	40	26,437	22	14,009	87	26,437	1	11,800	121	13,872	208	19,152
09	53	24,049	2	28,332	-	-	55	25,305	22	14,286	98	13,862	6	29,100	80	16,309	155	20,662
10	41	25,556	25	30,056	-	-	66	27,261	24	17,771	32	19,722	3	22,933	56	19,163	122	23,543
11	45	29,038	24	24,013	-	-	69	27,290	13	26,400	32	18,319	3	27,400	48	21,075	117	24,740
12	66	23,382	14	29,264	-	-	80	24,500	17	21,518	12	19,442	3	25,733	32	21,022	113	23,515
13	82	27,160	27	25,741	-	-	109	26,779	9	21,444	14	12,954	8	24,463	31	18,394	141	24,935
14	55	25,316	64	23,888	-	-	119	26,779	17	12,759	116	18,308	3	24,433	136	17,749	256	20,744
15	54	30,378	32	18,866	-	-	86	26,094	23	13,135	38	15,508	-	-	61	14,613	147	21,330
16	54	26,041	24	22,225	-	-	78	24,598	31	12,345	132	18,876	1	30,700	164	17,713	244	19,970
17	46	24,611	25	23,672	-	-	72	24,154	14	18,700	68	25,259	5	21,760	87	24,010	159	24,077
18	83	27,622	21	28,648	-	-	104	27,829	7	20,186	24	22,413	1	27,100	32	22,072	136	26,474
19	57	30,091	10	23,620	-	-	67	29,125	5	19,780	7	13,500	2	34,050	14	18,679	81	27,320
20	42	28,555	25	29,168	-	-	67	28,784	6	19,300	2	7,200	1	16,000	9	16,244	76	27,399
21	45	28,376	22	26,036	-	-	67	27,607	3	16,833	7	19,871	-	-	10	18,960	77	26,484
22	23	23,587	7	24,929	-	-	30	23,133	3	24,633	15	28,960	-	-	18	28,239	48	25,048
23	16	27,931	1	19,600	-	-	17	27,441	3	32,000	9	18,511	-	-	12	21,883	29	25,141
TOTAL	1,054	27,266	567	24,729	8	18,750	1,629	26,341	242	16,925	383	18,202	40	25,825	1,163	18,199	2,792	22,950

- DATA NOT AVAILABLE

TABLE 10. AVERAGE GROSS WEIGHTS BY HOUR AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 4 TIRE

HOUR	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		ALL RURAL		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL URBAN		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT
00	216	5.072	68	5.675	284	5.216	162	4.588	542	4.883	1	3.900	769	4.749	938	4.880	938	4.880
01	147	5.036	60	6.058	207	5.332	73	4.386	259	4.903	1	4.000	328	4.789	332	4.939	332	4.939
02	81	5.296	39	6.103	120	5.558	56	4.677	176	4.863	1	4.000	232	4.881	232	4.970	232	4.970
03	61	5.159	21	5.000	82	5.374	41	4.471	136	4.877	1	4.000	177	4.753	177	4.973	177	4.973
04	76	5.063	38	6.216	119	5.447	48	4.623	194	4.972	1	4.000	223	4.953	223	5.077	223	5.077
05	276	5.005	110	6.005	386	5.355	159	4.386	345	5.058	1	4.000	523	4.881	523	5.058	523	5.058
06	813	5.162	355	6.146	1,178	5.467	559	4.239	1,332	4.958	1	4.000	1,853	4.743	1,853	5.024	1,853	5.024
07	955	5.084	541	6.381	1,533	5.568	702	4.256	1,995	4.953	1	4.000	2,657	4.779	2,657	5.044	2,657	5.044
08	1,183	5.140	577	6.229	1,836	5.493	685	4.725	2,017	5.130	22	5.464	2,844	5.041	2,844	5.058	2,844	5.058
09	1,145	5.119	678	6.316	1,955	5.493	835	4.659	2,013	5.027	25	4.973	2,658	5.040	2,658	5.252	2,658	5.252
10	811	5.197	835	6.230	1,578	5.583	659	4.676	2,044	5.047	19	5.027	3,043	5.042	3,043	5.264	3,043	5.264
11	888	5.020	759	6.191	1,578	5.709	622	4.632	2,045	5.035	23	5.067	2,947	5.021	2,947	5.207	2,947	5.207
12	929	5.108	645	6.157	1,533	5.543	491	4.650	1,992	5.024	24	5.022	2,952	5.027	2,952	5.217	2,952	5.217
13	896	5.031	556	6.157	1,559	5.543	537	4.630	1,991	5.024	8	5.022	2,952	5.027	2,952	5.165	2,952	5.165
14	808	4.983	594	6.141	1,581	5.478	716	4.637	1,994	5.031	8	5.022	2,952	5.027	2,952	5.148	2,952	5.148
15	1,382	4.864	901	6.129	1,427	5.488	1,278	4.426	1,996	5.026	7	5.022	2,952	5.027	2,952	5.030	2,952	5.030
16	1,584	4.873	944	6.013	2,298	5.366	1,278	4.426	1,996	5.026	7	5.022	2,952	5.027	2,952	5.037	2,952	5.037
17	1,184	4.959	524	6.007	1,921	5.421	1,058	4.437	1,952	5.085	7	5.022	2,952	5.027	2,952	5.011	2,952	5.011
18	883	4.944	407	5.018	1,411	5.339	716	4.437	1,952	5.085	7	5.022	2,952	5.027	2,952	5.065	2,952	5.065
19	754	5.049	324	5.957	1,115	5.435	544	4.475	1,863	5.069	11	5.000	1,863	4.812	1,863	5.061	1,863	5.061
20	449	4.971	230	5.866	691	5.329	557	4.475	742	5.066	11	5.000	1,863	4.812	1,863	5.024	1,863	5.024
21	365	5.037	135	5.984	500	5.222	424	4.415	587	4.962	1	5.000	1,863	4.812	1,863	4.950	1,863	4.950
22	1,585	5.038	825	6.113	1,240	5.468	353	4.432	3,591	5.065	169	5.588	4,679	4.815	4,679	4.981	4,679	4.981
TOTAL	17,585	5.038	10,825	6.113	28,490	5.468	12,457	4.432	33,691	5.065	169	5.588	46,729	4.815	46,729	5.119	46,729	5.119

- DATA NOT AVAILABLE

TABLE 10. AVERAGE GROSS WEIGHTS BY HOUR AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 6 TIRE

HOUR	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		ALL RURAL		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL URBAN		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT
00	110	12,410	53	12,500	-	-	143	12,431	53	11,977	74	10,797	126	12,400	128	11,201	271	11,850
01	100	14,034	38	12,792	-	-	138	13,692	49	12,794	72	12,597	-	-	121	12,677	259	13,218
02	93	12,211	38	10,787	-	-	131	11,790	42	11,700	62	12,294	-	-	105	12,069	236	11,918
03	76	11,576	57	11,459	-	-	133	11,526	56	14,430	52	12,627	-	-	108	13,562	241	12,438
04	116	13,041	63	13,988	-	-	179	13,386	69	13,041	68	13,122	-	-	137	13,081	316	13,231
05	172	13,388	87	13,760	-	-	259	13,513	167	14,020	141	11,366	-	-	308	13,263	567	13,377
06	330	13,724	274	14,876	42	13,662	646	14,209	258	13,719	266	15,093	67	12,510	591	14,201	1,237	14,205
07	509	13,464	324	14,054	126	12,986	959	13,554	268	13,753	486	13,142	159	12,969	893	13,301	1,852	13,453
08	725	12,613	484	14,766	147	13,411	1,413	13,411	530	13,351	910	13,103	243	12,674	1,683	13,119	3,096	13,253
09	721	12,609	583	14,129	217	13,313	1,820	13,291	560	13,113	947	12,654	279	13,599	1,786	12,945	3,306	13,104
10	712	12,055	621	14,324	147	13,541	1,880	13,155	494	12,772	831	12,155	249	12,931	1,674	12,452	3,154	12,782
11	589	11,986	594	13,636	187	13,189	1,370	12,855	499	12,331	889	12,470	265	12,042	1,654	12,376	3,024	12,594
12	600	11,887	473	13,571	191	12,800	1,244	12,655	378	12,770	671	12,588	217	12,623	1,266	12,648	2,530	12,652
13	599	12,213	535	13,665	119	13,067	1,412	12,926	473	12,806	805	12,351	198	13,143	1,476	12,581	2,788	12,743
14	630	12,088	530	13,911	252	13,098	1,812	12,967	514	11,968	767	12,420	255	11,929	1,536	12,187	2,948	12,417
15	463	12,219	395	13,665	178	12,480	1,036	12,885	405	11,809	605	12,350	215	11,847	1,225	12,016	2,261	12,382
16	507	12,217	445	13,531	150	12,877	1,102	12,853	475	12,757	581	12,699	150	11,820	1,206	12,612	2,308	12,710
17	487	12,038	286	12,782	123	12,582	896	12,338	377	13,009	446	12,316	113	12,008	936	12,558	1,832	12,456
18	410	12,234	215	13,212	51	13,014	676	12,633	304	12,561	278	12,431	60	10,858	642	12,346	1,318	12,488
19	281	12,990	160	13,773	37	10,730	478	13,084	224	13,394	142	12,217	27	11,093	393	12,811	671	12,754
20	225	12,544	130	12,899	27	13,900	382	12,668	159	13,382	119	12,469	13	10,215	291	12,867	673	12,754
21	174	12,063	97	13,187	17	13,900	288	12,530	115	12,585	78	12,833	17	9,624	210	12,438	498	12,303
22	166	12,610	84	12,676	6	11,800	256	12,613	91	12,873	76	11,453	5	14,000	172	12,172	428	12,436
23	91	11,963	45	13,362	1	13,875	140	12,467	57	11,865	50	10,062	1	128,000	108	11,180	248	11,906
TOTAL	8,686	12,425	6,590	13,731	2,137	12,970	17,643	12,988	6,647	12,639	9,516	12,679	2,516	12,474	18,649	12,653	36,262	12,612

-- DATA NOT AVAILABLE

TABLE 10. AVERAGE GROSS WEIGHTS BY HOUR AND FUNCTIONAL CLASSIFICATION

HPWS VEHICLE CATEGORY: SINGLE UNIT - 3 AXLE OR MORE

HOUR	RURAL INTERSTATE			RURAL OTHER PRINCIPAL ARTERIAL			RURAL MINOR ARTERIAL & COLLECTOR			ALL RURAL			URBAN INTERSTATE & OTHER F & E			URBAN OTHER PRINCIPAL ARTERIAL			URBAN MINOR ARTERIAL & COLLECTOR			ALL URBAN			ALL FUNCTIONAL CLASSES COMBINED		
	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	
00.0000	25	24,984	8	22,925	-	-	33	24,485	16	26,445	11	26,445	11	26,445	-	-	-	-	-	-	-	-	27	26,274	60	25,290	
01.0000	17	26,235	4	31,125	-	-	21	27,167	22	27,336	14	30,307	14	30,307	-	-	-	-	-	-	-	-	37	24,259	58	25,312	
02.0000	18	28,561	7	30,971	-	-	25	29,240	19	25,247	12	29,250	12	29,250	-	-	-	-	-	-	-	-	31	26,797	56	27,888	
03.0000	23	24,578	12	23,042	-	-	35	24,051	18	20,406	9	20,778	9	20,778	-	-	-	-	-	-	-	-	27	23,196	62	23,679	
04.0000	29	28,383	15	27,133	-	-	44	27,957	42	28,683	26	27,792	26	27,792	-	-	-	-	-	-	-	-	68	23,343	112	23,191	
05.0000	44	30,049	32	28,659	-	-	76	29,463	43	28,137	40	28,363	40	28,363	-	-	-	-	-	-	-	-	83	27,282	159	28,325	
06.0000	81	31,077	73	31,692	-	-	171	31,794	92	28,428	98	30,479	98	30,479	-	-	-	-	-	-	-	-	242	28,791	413	30,035	
07.0000	68	30,004	111	29,445	-	-	212	29,271	111	31,828	177	30,134	177	30,134	-	-	-	-	-	-	-	-	379	30,116	591	29,813	
08.0000	131	33,017	127	29,987	-	-	326	31,361	226	29,989	402	29,547	402	29,547	-	-	-	-	-	-	-	-	725	29,295	1,051	29,935	
09.0000	148	30,622	128	30,342	-	-	348	29,737	240	29,521	425	27,982	425	27,982	-	-	-	-	-	-	-	-	789	28,422	1,137	28,824	
10.0000	150	27,655	128	28,984	-	-	26	29,777	216	31,471	415	29,235	415	29,235	-	-	-	-	-	-	-	-	771	29,374	1,075	29,097	
11.0000	114	27,484	141	28,931	-	-	50	28,564	221	30,473	362	28,074	362	28,074	-	-	-	-	-	-	-	-	688	28,647	993	28,535	
12.0000	118	28,221	103	29,140	-	-	263	28,780	164	27,743	265	31,744	265	31,744	-	-	-	-	-	-	-	-	499	29,525	762	29,268	
13.0000	122	26,692	99	28,280	-	-	264	27,555	243	27,493	393	29,324	393	29,324	-	-	-	-	-	-	-	-	752	28,292	1,016	28,167	
14.0000	127	25,595	135	31,252	-	-	54	28,359	239	24,902	320	29,100	320	29,100	-	-	-	-	-	-	-	-	705	28,025	1,021	28,167	
15.0000	64	27,153	95	27,977	-	-	33	31,421	130	28,055	218	28,795	218	28,795	-	-	-	-	-	-	-	-	439	29,752	631	29,308	
16.0000	108	23,514	72	26,490	-	-	50	28,528	179	28,073	321	28,323	321	28,323	-	-	-	-	-	-	-	-	560	28,189	790	27,227	
17.0000	77	27,190	59	26,276	-	-	33	22,864	159	26,026	136	25,441	136	25,441	-	-	-	-	-	-	-	-	328	24,562	497	25,060	
18.0000	60	24,550	35	24,657	-	-	16	28,694	97	21,631	86	25,381	86	25,381	-	-	-	-	-	-	-	-	198	23,417	309	24,051	
19.0000	64	22,958	33	22,448	-	-	15	22,640	61	21,205	58	24,684	58	24,684	-	-	-	-	-	-	-	-	113	22,651	225	22,680	
20.0000	41	20,985	23	25,648	-	-	112	22,710	63	22,091	48	24,556	48	24,556	-	-	-	-	-	-	-	-	107	23,067	172	22,880	
21.0000	28	25,857	15	23,140	-	-	11	22,571	45	25,111	38	21,695	38	21,695	-	-	-	-	-	-	-	-	68	21,787	113	23,111	
22.0000	29	21,574	7	17,557	-	-	2	29,450	37	18,038	13	17,938	13	17,938	-	-	-	-	-	-	-	-	52	17,837	89	19,048	
23.0000	16	24,838	7	20,986	-	-	1	19,300	11	22,665	3	16,467	3	16,467	-	-	-	-	-	-	-	-	14	19,964	37	22,265	
TOTAL	1,702	27,468	1,469	28,673	556	28,183	3,727	28,049	2,654	27,613	3,894	28,705	3,894	28,705	1,154	27,400	7,702	28,133	11,429	28,106	7,702	28,133	11,429	28,106			

- DATA NOT AVAILABLE

TABLE 10. AVERAGE GROSS WEIGHTS BY HOUR AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 3 AXLE

HOUR	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		ALL RURAL		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL URBAN		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT
00.....	15	32,473	4	29,950	-	-	19	31,942	23	29,096	6	33,317	1	19,900	30	29,633	49	30,529
01.....	44	30,498	10	29,760	-	-	54	30,361	35	29,251	3	33,900	1	24,300	39	29,482	93	29,992
02.....	29	29,921	3	25,333	-	-	32	29,491	28	30,050	5	30,500	1	29,300	34	29,976	66	29,741
03.....	24	32,833	8	28,075	-	-	32	31,644	23	28,426	3	23,567	-	-	26	27,865	58	29,950
04.....	35	31,040	9	30,578	-	-	44	30,945	37	29,681	6	24,817	1	36,800	44	29,180	88	30,063
05.....	41	32,163	7	28,171	-	-	48	31,581	35	27,074	9	27,833	1	17,400	45	27,011	93	29,370
06.....	59	29,586	25	33,440	2	25,300	79	29,875	67	30,724	17	26,700	5	28,440	89	29,827	168	29,849
07.....	52	28,481	64	30,342	7	30,714	130	30,019	66	28,126	33	27,688	15	27,393	114	27,903	244	29,030
08.....	78	27,088	58	27,274	6	26,217	142	27,127	91	27,695	77	27,444	20	24,730	188	27,277	330	27,212
09.....	61	27,874	68	28,538	9	24,144	138	27,958	69	26,430	80	26,198	35	24,503	184	25,963	322	26,818
10.....	58	28,671	61	25,234	13	24,177	132	26,640	83	26,122	56	27,033	31	23,758	180	26,049	312	26,299
11.....	62	28,271	57	25,747	11	22,618	130	26,686	71	24,893	57	23,086	37	22,678	165	23,772	295	25,056
12.....	61	28,603	35	26,366	12	21,967	108	27,335	77	24,527	52	25,171	24	20,550	153	24,122	261	25,452
13.....	58	26,362	41	26,320	11	23,345	110	26,268	86	24,505	63	22,998	45	20,580	194	23,105	304	24,250
14.....	68	27,410	47	28,043	15	20,867	130	26,884	98	23,990	62	23,587	32	21,375	192	23,424	322	24,821
15.....	43	25,930	42	26,381	11	24,018	96	25,908	67	25,307	70	24,819	44	23,043	181	24,568	277	25,032
16.....	64	26,792	40	26,065	10	27,170	114	26,570	105	25,795	32	23,519	34	23,444	171	24,902	285	25,569
17.....	56	28,086	23	26,987	3	20,600	92	27,511	91	27,523	12	22,992	13	22,346	116	26,474	198	26,904
18.....	37	26,819	14	26,943	1	36,600	52	27,040	59	26,422	8	31,238	6	16,517	73	26,136	125	26,512
19.....	30	29,383	14	27,921	1	35,300	45	29,060	33	26,851	10	32,600	1	20,200	44	23,014	89	28,543
20.....	32	27,713	14	29,800	-	-	46	28,348	38	24,853	9	26,300	2	18,000	49	24,839	95	26,538
21.....	36	28,292	11	28,936	1	36,700	48	28,615	52	27,596	1	30,700	1	13,900	54	27,400	102	27,972
22.....	29	28,117	5	25,720	-	-	34	27,765	46	30,504	3	33,267	-	-	49	30,767	83	29,537
23.....	19	30,242	6	21,650	-	-	25	28,180	30	28,080	4	27,225	-	-	34	27,979	59	28,064
TOTAL	1,091	128,464	666	27,611	113	24,280	1,870	27,908	1,410	26,779	686	25,638	350	22,796	2,448	25,889	4,318	26,763

- DATA NOT AVAILABLE

TABLE 10. AVERAGE GROSS WEIGHTS BY HOUR AND FUNCTIONAL CLASSIFICATION

APMS VEHICLE CATEGORY: COMBINATION - 4 AXLE 2S2

HOUR	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		ALL RURAL		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL URBAN		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT
00	101	37,552	60	39,285	-	-	181	38,318	90	36,331	60	35,890	5	38,960	155	36,245	336	37,362
01	145	37,558	91	40,127	-	-	236	38,567	100	36,754	67	36,678	-	-	167	36,723	403	37,803
02	130	36,336	53	35,981	-	-	193	36,220	74	34,843	71	36,880	-	-	149	35,829	341	36,850
03	130	37,371	116	38,081	-	-	245	37,693	89	37,438	72	42,763	-	-	163	38,839	447	38,534
04	138	39,662	131	35,306	-	-	269	37,541	71	36,811	108	42,188	1	147,100	189	40,047	449	38,345
05	200	40,212	120	37,263	-	-	320	39,143	112	36,572	88	42,728	2	24,200	204	39,139	522	39,130
06	241	42,135	123	38,508	3	31,500	367	40,865	165	41,977	108	42,172	3	41,300	270	42,068	633	41,372
07	237	40,906	151	37,162	5	36,620	393	39,413	151	37,442	101	43,717	6	44,867	239	40,252	621	39,745
08	291	37,021	148	36,803	24	31,096	459	36,649	257	37,677	173	39,963	17	32,641	447	38,370	915	37,489
09	325	36,235	244	35,330	14	35,707	583	35,877	275	35,345	202	35,945	26	28,927	503	35,253	1,086	35,588
10	273	37,525	226	35,115	15	33,327	514	36,783	254	37,421	210	41,421	33	33,591	497	38,037	1,011	37,803
11	261	36,248	247	37,214	28	30,632	539	36,399	266	36,087	203	39,221	19	29,621	483	37,130	1,027	36,746
12	256	35,716	205	37,047	15	32,174	476	36,177	220	35,702	155	36,379	12	26,648	367	36,022	863	36,108
13	241	36,135	185	35,509	21	34,676	448	35,039	228	35,926	198	36,204	30	31,740	481	35,653	930	35,763
14	331	34,681	204	36,536	17	32,159	560	35,159	176	35,763	173	36,115	19	32,579	438	35,881	978	35,453
15	247	32,650	140	36,692	11	37,273	398	33,923	224	37,212	123	37,212	10	31,800	307	36,205	705	34,917
16	231	34,921	142	37,014	26	35,850	400	35,713	194	36,003	148	37,658	19	30,259	361	36,356	761	36,010
17	214	35,329	130	37,923	11	30,159	355	36,119	187	34,970	123	40,379	7	28,974	371	36,936	672	36,594
18	201	36,735	104	38,500	7	35,671	381	38,000	172	36,444	67	38,293	1	16,500	249	36,640	621	37,243
19	193	36,266	77	36,832	3	37,067	309	37,024	162	35,917	6	38,667	2	24,400	224	35,100	533	36,215
20	183	38,977	104	39,924	3	37,067	265	38,285	130	34,612	67	41,739	5	34,160	221	36,285	467	37,722
21	191	38,478	112	37,924	3	38,100	301	38,864	140	35,361	56	41,393	4	37,550	203	37,934	501	38,157
22	151	37,651	66	41,017	1	40,100	270	37,692	120	33,671	58	40,709	1	53,400	179	36,061	449	37,042
23	81	39,632	66	41,017	1	40,100	148	40,104	50	35,184	45	38,334	-	-	95	36,662	243	38,758
TOTAL	5,021	37,189	3,378	37,272	217	32,600	8,621	37,059	3,917	36,245	2,733	38,920	225	32,005	6,874	37,370	15,895	37,108

- DATA NOT AVAILABLE

TABLE 10. AVERAGE GROSS WEIGHTS BY HOUR AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE OTHER

HOUR	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		ALL RURAL		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL URBAN		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT
00.0000	9	29,322	5	31,660	-	-	14	30,157	8	26,588	3	25,367	-	-	11	26,255	25	28,440
01.0000	7	27,443	1	25,800	-	-	8	27,238	3	19,067	1	25,100	-	-	4	20,575	12	25,017
02.0000	7	20,786	1	18,900	-	-	8	24,300	6	27,017	1	19,400	-	-	7	25,929	15	25,060
03.0000	7	29,157	-	-	-	-	7	29,157	2	37,350	2	37,600	-	-	4	37,425	11	32,164
04.0000	8	34,063	-	-	-	-	8	34,063	5	24,560	1	19,800	-	-	6	23,767	14	29,650
05.0000	9	21,611	1	34,000	-	-	10	22,850	6	28,067	1	52,800	-	-	7	31,600	17	26,453
06.0000	20	27,980	12	25,250	-	21	27,800	34	27,006	17	29,476	6	24,917	1	10,300	24	27,538	
07.0000	4	24,625	10	29,750	-	-	14	28,286	13	26,708	5	29,120	4	29,675	22	27,795	36	27,986
08.0000	24	28,308	21	22,162	-	9	23,878	54	25,180	34	23,554	20	30,175	12	23,975	66	25,638	
09.0000	21	25,124	14	27,429	6	23,633	41	25,693	38	22,058	19	25,274	19	25,917	69	23,614	110	24,389
10.0000	28	25,357	15	23,113	3	20,833	46	26,287	30	18,790	6	32,533	9	17,911	45	20,447	91	23,399
11.0000	32	22,628	11	23,955	5	22,840	48	22,954	37	22,065	7	23,271	17	23,906	61	22,577	109	22,743
12.0000	21	24,867	9	23,789	6	22,433	36	24,192	26	21,012	10	20,580	5	32,820	41	22,946	77	23,620
13.0000	34	26,721	13	22,300	3	21,800	50	25,276	44	23,195	8	26,088	9	20,756	61	23,215	111	24,143
14.0000	30	23,830	10	20,980	4	11,425	44	21,782	34	21,632	9	23,933	5	29,680	48	22,902	92	22,366
15.0000	13	26,977	9	39,244	3	26,567	25	31,344	14	28,957	4	22,025	4	20,150	22	26,095	47	28,887
16.0000	25	25,732	5	23,640	5	20,120	35	24,631	22	24,391	8	17,713	9	29,944	39	24,303	74	24,458
17.0000	30	22,983	6	19,733	2	20,350	38	22,332	25	20,980	3	30,967	4	23,450	32	22,225	70	22,283
18.0000	20	23,955	7	25,986	1	10,400	28	23,979	21	20,543	1	22,100	4	14,050	26	19,604	54	21,872
19.0000	18	20,361	7	23,700	2	20,300	27	21,222	20	25,890	3	17,633	4	22,750	27	24,507	54	22,865
20.0000	17	20,271	4	21,950	1	15,800	22	20,373	14	28,364	5	15,920	-	-	19	25,089	41	22,359
21.0000	15	26,340	2	30,800	-	-	17	27,394	9	21,367	3	9,900	-	-	12	18,900	29	23,714
22.0000	12	25,083	3	43,600	-	-	15	28,787	9	21,056	4	16,900	-	-	13	19,777	28	24,604
23.0000	3	33,633	1	11,800	-	-	4	28,175	5	22,880	2	11,000	-	-	7	19,400	11	22,591
TOTAL	418	25,085	157	26,411	52	21,587	633	25,068	442	23,251	132	24,477	99	24,012	673	23,603	1,386	24,313

- DATA NOT AVAILABLE



TABLE 10. AVERAGE GROSS WEIGHTS BY HOUR AND FUNCTIONAL CLASSIFICATION

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE 3S2

HOUR	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL MINOR ARTERIAL & COLLECTOR		ALL RURAL		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN MINOR ARTERIAL & COLLECTOR		ALL URBAN		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT
00.0000	1,929	159,603	391	155,627	-	-	2,320	158,933	1,302	156,627	292	162,413	33	156,021	1,627	157,653	3,947	158,405
01.0000	1,900	159,364	405	157,298	-	-	2,305	157,001	1,328	157,994	239	162,420	33	153,739	1,600	158,567	3,935	158,823
02.0000	1,590	158,893	375	154,977	-	-	1,965	157,982	1,224	158,451	238	157,357	27	159,148	1,489	158,297	3,454	158,117
03.0000	1,768	158,349	404	157,282	-	-	2,172	158,151	1,151	158,308	195	160,257	24	153,954	1,370	158,509	3,542	158,229
04.0000	1,671	157,631	405	157,246	-	-	2,076	157,556	1,142	157,451	278	163,190	17	157,953	1,437	158,567	3,513	157,979
05.0000	1,749	158,222	480	154,974	-	-	2,229	157,523	1,236	156,911	309	161,633	24	158,032	1,567	157,855	3,798	157,651
06.0000	2,000	158,228	535	153,414	77	164,571	2,613	157,311	1,398	155,635	469	161,229	93	147,562	1,966	156,590	4,575	157,002
07.0000	1,112	157,806	498	152,895	93	157,046	1,703	156,329	889	154,270	372	159,247	14	147,346	1,404	154,894	3,105	155,551
08.0000	2,187	155,834	608	151,259	138	158,922	2,933	156,842	1,845	152,793	715	155,390	227	144,413	2,783	152,776	5,720	153,836
09.0000	2,329	154,355	762	148,774	158	158,977	3,249	153,530	1,944	152,240	781	153,422	208	142,419	2,944	151,963	6,190	152,642
10.0000	2,462	153,849	874	148,574	125	158,987	3,460	152,586	1,955	152,556	742	153,959	208	142,419	2,805	152,174	6,265	152,482
11.0000	2,449	153,659	1,027	148,095	126	148,947	3,460	152,330	2,036	152,961	740	152,550	215	143,066	2,992	150,784	6,593	151,844
12.0000	2,465	153,268	1,087	150,339	132	148,476	3,604	152,330	1,802	151,710	618	153,113	195	143,996	2,615	151,466	6,219	151,957
13.0000	2,484	154,447	1,005	151,199	153	158,689	3,742	153,498	1,976	152,722	618	152,281	174	147,450	2,777	152,288	6,532	152,384
14.0000	2,722	154,487	1,053	152,152	138	158,754	3,912	153,762	2,171	152,684	672	151,640	174	148,613	3,017	152,217	6,929	153,089
15.0000	1,426	154,123	784	152,352	115	149,415	2,325	153,293	1,319	153,488	387	149,148	111	146,437	1,814	152,116	4,141	152,746
16.0000	2,576	155,174	947	152,789	103	158,817	3,626	154,428	2,037	153,052	548	151,746	131	145,269	2,721	152,440	6,347	153,358
17.0000	2,673	157,179	817	152,883	108	149,044	3,598	153,929	1,937	154,364	486	154,747	83	149,162	2,501	154,184	6,103	155,180
18.0000	2,466	157,007	767	150,763	76	158,699	3,309	154,461	2,047	154,802	411	157,247	61	150,603	2,521	155,092	5,832	155,381
19.0000	2,460	158,233	636	150,782	58	158,671	3,214	156,537	1,913	155,753	348	158,217	36	154,866	2,291	156,103	5,935	156,358
20.0000	2,410	158,041	619	153,951	54	158,463	3,083	157,140	1,787	155,083	322	159,590	33	153,988	2,144	155,743	5,235	156,568
21.0000	2,253	158,795	502	156,263	43	148,093	2,798	158,161	1,740	156,869	279	164,067	19	156,544	2,038	157,881	4,836	158,931
22.0000	2,386	159,663	440	156,671	14	148,086	2,940	159,128	1,743	156,558	340	162,802	10	154,318	2,009	157,562	4,949	158,463
23.0000	1,279	158,015	297	156,649	9	148,733	1,585	157,695	880	153,694	211	166,309	2	129,555	1,009	156,005	2,638	157,038
TOTAL	50,745	156,621	15,798	152,533	1,720	158,029	68,263	155,597	38,706	154,581	1,061	156,619	2,288	145,413	15,160	154,490	138,63	159,121

- DATA NOT AVAILABLE

TABLE 10. AVERAGE GROSS WEIGHTS BY HOUR AND FUNCTIONAL CLASSIFICATION

MPSR VEHICLE CATEGORY: COMBINATION - 5 AXLE OTHER

HOUR	RURAL INTERSTATE			RURAL OTHER PRINCIPAL ARTERIAL			RURAL MINOR ARTERIAL & COLLECTOR			ALL RURAL			URBAN INTERSTATE & OTHER F & E			URBAN OTHER PRINCIPAL ARTERIAL			URBAN MINOR ARTERIAL & COLLECTOR			ALL URBAN			ALL FUNCTIONAL CLASSES COMBINED		
	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	
00.0000	184	60,442	816	4,900	-	-	192	60,628	137	58,885	7	50,071	-	-	-	-	-	-	-	144	58,457	336	59,698	144	58,457	336	59,698
01.0000	167	62,607	949	5,333	-	-	176	61,939	140	62,489	4	48,475	-	-	-	-	-	-	-	144	62,099	320	62,011	144	62,099	320	62,011
02.0000	187	64,174	1052	5,800	-	-	197	63,583	131	60,908	6	66,833	-	-	-	-	-	-	-	137	61,168	334	62,593	137	61,168	334	62,593
03.0000	192	64,903	841	7,750	-	-	200	63,978	168	59,501	6	67,550	-	-	-	-	-	-	-	174	59,778	374	62,024	174	59,778	374	62,024
04.0000	197	63,778	1253	3,830	-	-	209	63,181	117	60,268	5	48,520	-	-	-	-	-	-	-	122	59,787	331	61,930	122	59,787	331	61,930
05.0000	221	66,117	816	3,025	-	-	229	66,009	145	60,832	12	55,508	-	-	-	-	-	-	-	157	60,501	386	63,769	157	60,501	386	63,769
06.0000	194	60,277	561	7,454	7	64,229	330	64,953	155	62,574	20	44,160	-	-	-	-	-	-	-	212	58,494	522	62,353	212	58,494	522	62,353
07.0000	206	61,377	495	7,608	12	70,422	262	62,279	134	60,232	34	49,488	-	-	-	-	-	-	-	231	55,019	493	58,877	231	55,019	493	58,877
08.0000	236	60,047	465	5,735	21	57,919	275	60,500	215	56,412	60	47,865	-	-	-	-	-	-	-	345	51,997	620	53,769	345	51,997	620	53,769
09.0000	221	60,020	555	8,358	18	65,961	303	59,245	182	55,208	59	42,114	-	-	-	-	-	-	-	339	53,156	642	56,029	339	53,156	642	56,029
10.0000	217	58,943	415	5,885	18	72,483	276	59,773	187	59,694	40	45,983	-	-	-	-	-	-	-	285	50,805	579	55,511	285	50,805	579	55,511
11.0000	201	62,993	475	8,851	10	62,530	258	62,223	172	60,009	39	49,864	-	-	-	-	-	-	-	280	55,153	556	57,447	280	55,153	556	57,447
12.0000	205	60,568	467	1,824	17	67,612	247	62,357	186	60,748	38	55,261	-	-	-	-	-	-	-	275	56,594	528	58,456	275	56,594	528	58,456
13.0000	186	60,568	436	6,414	18	71,150	247	62,357	178	59,528	38	57,824	-	-	-	-	-	-	-	265	57,803	512	60,000	265	57,803	512	60,000
14.0000	172	63,927	306	3,840	11	58,727	213	57,186	135	59,727	29	51,617	-	-	-	-	-	-	-	199	57,702	412	57,435	199	57,702	412	57,435
15.0000	178	61,266	416	2,022	16	53,253	235	60,850	190	60,065	26	53,131	-	-	-	-	-	-	-	266	57,963	501	59,317	266	57,963	501	59,317
16.0000	191	63,484	246	7,679	12	58,583	227	63,668	153	61,803	20	55,665	-	-	-	-	-	-	-	196	59,633	423	61,739	196	59,633	423	61,739
17.0000	159	61,945	235	7,251	9	51,422	191	60,885	168	60,161	13	51,231	-	-	-	-	-	-	-	191	59,442	382	60,164	191	59,442	382	60,164
18.0000	156	61,976	335	9,058	12	71,008	201	62,036	173	59,606	13	56,815	-	-	-	-	-	-	-	193	58,844	394	60,472	193	58,844	394	60,472
19.0000	150	60,334	246	6,229	4	42,700	178	59,924	171	59,854	7	49,114	-	-	-	-	-	-	-	190	59,090	368	59,493	190	59,090	368	59,493
20.0000	168	60,575	246	6,054	-	-	192	60,510	139	59,712	8	61,025	-	-	-	-	-	-	-	149	59,812	341	60,205	149	59,812	341	60,205
21.0000	167	58,466	185	8,822	1	46,800	186	58,534	163	60,660	5	54,820	-	-	-	-	-	-	-	175	60,505	361	59,409	175	60,505	361	59,409
22.0000	130	60,228	74	2,529	-	-	137	59,323	115	61,917	2	55,850	-	-	-	-	-	-	-	117	61,814	254	60,470	117	61,814	254	60,470
23.0000	454	71,665	703	5,072	206	62,934	545	61,552	385	59,873	53	51,399	-	-	-	-	-	-	-	505	57,135	1050	57,449	505	57,135	1050	57,449

- DATA NOT AVAILABLE

TABLE 10. AVERAGE GROSS WEIGHTS BY HOUR AND FUNCTIONAL CLASSIFICATION.

HOURS VEHICLE CATEGORY: COMBINATION - 6 AXLE OR MORE

HOUR	RURAL INTERSTATE		RURAL OTHER PRINCIPAL ARTERIAL		RURAL ARTERIAL & COLLECTOR		ALL RURAL		URBAN INTERSTATE & OTHER F & E		URBAN OTHER PRINCIPAL ARTERIAL		URBAN ARTERIAL & COLLECTOR		ALL URBAN		ALL FUNCTIONAL CLASSES COMBINED	
	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVER- AGE GROSS WEIGHT
00	54	74,639	2	56,700	-	-	56	73,998	25	65,464	4	81,950	-	-	29	66,600	85	72,156
01	58	75,871	2	60,550	-	-	60	75,360	30	65,720	1	76,400	-	-	31	69,935	91	73,512
02	50	76,628	1	77,800	-	-	51	76,643	36	65,675	1	93,100	-	-	37	66,416	85	72,343
03	62	73,548	3	65,633	-	-	65	74,106	50	69,800	-	-	-	-	50	69,800	115	72,263
04	59	71,683	3	54,633	-	-	62	70,858	34	73,826	5	53,220	-	-	39	69,851	101	70,469
05	61	73,292	3	57,800	-	-	64	72,511	33	61,373	10	60,190	-	-	37	64,246	101	69,483
06	55	68,095	7	84,143	3	77,061	65	70,052	42	65,026	10	60,190	-	-	56	62,280	121	66,433
07	39	66,700	17	46,941	7	77,743	63	63,469	33	63,497	10	75,740	-	-	47	63,769	110	63,016
08	77	66,992	12	56,975	6	35,017	95	65,073	54	63,331	20	80,945	-	-	81	60,456	176	62,988
09	68	67,923	18	65,100	9	76,944	95	65,244	52	65,721	21	64,210	-	-	84	63,361	179	63,923
10	74	68,363	10	62,930	5	65,520	89	65,373	39	66,751	19	65,142	-	-	60	65,669	147	66,667
11	65	62,157	16	70,150	5	45,380	86	65,669	57	65,765	19	65,211	-	-	83	62,572	165	62,521
12	52	70,562	8	58,800	8	53,825	82	65,390	51	65,661	17	57,412	-	-	72	63,431	140	63,269
13	63	63,946	17	56,412	2	23,200	87	65,964	43	68,574	12	67,450	-	-	64	68,966	137	67,224
14	60	69,040	17	61,506	10	46,390	87	65,964	53	65,992	12	67,450	-	-	89	64,986	156	64,928
15	69	67,740	10	61,500	2	59,400	63	65,710	37	65,627	13	69,062	-	-	45	65,125	137	67,224
16	47	68,740	12	51,992	4	74,850	60	70,242	47	67,768	11	62,055	-	-	52	65,204	151	65,481
17	48	70,554	11	66,018	1	101,700	60	70,242	47	67,768	9	63,940	-	-	43	61,042	116	68,429
18	53	68,402	16	60,494	2	49,350	71	65,351	38	62,422	9	72,425	-	-	43	61,042	114	64,971
19	62	63,703	12	60,975	2	66,000	75	65,280	36	62,422	6	62,617	-	-	40	61,816	120	62,743
20	41	67,028	7	58,329	1	67,400	55	65,927	42	64,702	1	54,400	-	-	43	61,816	98	65,245
21	38	72,368	9	57,844	-	-	47	65,551	41	67,041	6	76,200	-	-	47	68,211	94	68,882
22	47	74,870	6	72,117	-	-	46	74,511	36	67,728	6	68,633	-	-	43	67,467	88	71,333
23	49	68,647	1	35,500	-	-	50	67,984	25	67,735	1	63,400	-	-	24	67,554	74	67,852
TOTAL	1,350	69,519	220	61,022	67	59,901	1,637	67,984	969	66,088	213	66,245	60	46,725	1,246	65,180	2,809	66,774

-- DATA NOT AVAILABLE.

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 352

RURAL INTERSTATE

HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT		
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT					VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT
WINTER										SPRING									
00	366	59,290	124	61,732	59,980	00	00	417	60,580	115	65,008	61,845							
01	352	58,200	123	60,540	58,869	01	01	367	59,942	199	63,882	61,068							
02	281	58,310	92	59,396	58,620	02	02	328	59,496	134	57,368	58,888							
03	342	58,555	119	57,397	58,224	03	03	376	57,789	141	60,623	58,998							
04	313	58,939	110	57,996	58,670	04	04	384	57,482	123	57,208	57,403							
05	369	58,238	98	59,613	58,631	05	05	373	57,887	134	62,803	59,063							
06	364	57,670	104	59,179	58,108	06	06	393	58,842	154	57,495	58,457							
07	231	58,652	55	53,896	57,293	07	07	221	59,256	91	56,965	58,601							
08	468	55,370	117	58,436	56,246	08	08	430	55,972	171	61,000	57,420							
09	464	52,506	128	60,155	54,691	09	09	465	54,285	187	57,311	55,150							
10	499	51,900	109	61,386	55,142	10	10	465	52,874	194	57,922	54,808							
11	570	49,937	166	62,137	53,423	11	11	460	53,893	195	59,833	55,362							
12	495	50,884	189	58,260	52,992	12	12	414	52,619	181	60,817	54,962							
13	516	50,994	190	63,357	54,526	13	13	511	52,978	180	60,883	54,999							
14	595	52,340	222	59,857	54,488	14	14	491	52,766	219	59,453	54,591							
15	360	53,051	101	56,070	53,914	15	15	200	52,298	139	56,440	53,481							
16	469	52,292	177	57,689	53,854	16	16	480	52,740	236	61,307	55,188							
17	552	54,101	226	62,013	55,362	17	17	445	56,073	259	61,378	57,589							
18	483	54,691	133	62,832	57,017	18	18	423	55,356	220	59,642	56,581							
19	522	56,927	157	64,017	58,933	19	19	405	58,262	256	60,859	59,004							
20	492	55,382	231	62,723	57,479	20	20	416	57,371	219	61,161	58,454							
21	490	56,535	213	61,594	57,981	21	21	413	58,866	184	62,786	59,986							
22	495	58,393	207	61,605	59,318	22	22	441	60,862	189	64,368	61,864							
23	268	58,230	96	57,940	58,147	23	23	281	59,619	120	61,153	60,068							
TOTAL	10,384	54,988	3,487	60,526	56,578	TOTAL	TOTAL	9,603	56,398	4,240	60,420	57,547							

- DATA NOT AVAILABLE

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 392

RURAL INTERSTATE

HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY			HOUR BY SEASON			WEEKDAY			WEEKEND			AVERAGE DAY			
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
																						VEHI- CLES IN SAMPLE
SUMMER																						
00	336	59,802	89	60,297	59,943	00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
01	334	57,860	67	60,322	58,564	01	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
02	240	58,955	77	59,449	59,096	02	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
03	310	56,391	86	57,392	56,677	03	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
04	283	57,033	75	55,637	56,634	04	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
05	302	58,022	72	57,824	57,965	05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
06	390	56,457	67	64,701	58,813	06	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
07	241	57,879	31	59,252	58,271	07	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
08	387	55,888	102	60,310	57,152	08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
09	433	51,624	78	61,276	54,381	09	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
10	465	51,460	100	57,563	53,203	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
11	367	53,113	74	61,386	55,477	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
12	430	51,193	122	59,474	53,559	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
13	378	52,119	124	60,109	54,401	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
14	383	53,200	142	62,649	55,900	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
15	240	54,473	31	63,129	56,946	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
16	404	54,376	147	60,155	56,027	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
17	412	55,976	152	60,891	57,380	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
18	461	55,246	147	61,285	56,972	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
19	450	55,765	116	60,720	57,181	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
20	403	56,051	144	59,465	57,028	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
21	353	56,619	135	63,634	58,623	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
22	335	57,393	148	60,471	58,272	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
23	199	55,014	35	56,454	55,426	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
TOTAL	8,536	55,247	2,383	60,373	56,711	TOTAL	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 382

RURAL INTERSTATE

HOUR BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
	ALL SEASONS				
00.....	1,436	58,935	493	61,550	59,682
01.....	1,354	58,665	546	61,096	59,360
02.....	1,131	58,980	459	58,368	58,805
03.....	1,282	58,059	486	59,115	58,361
04.....	1,235	57,809	436	57,126	57,614
05.....	1,341	57,634	408	60,155	58,354
06.....	1,515	57,818	486	59,506	58,300
07.....	887	58,200	225	56,254	57,644
08.....	1,648	54,810	539	58,965	55,997
09.....	1,743	53,196	586	57,882	54,535
10.....	1,855	52,067	606	59,303	54,134
11.....	1,811	51,876	638	58,871	53,875
12.....	1,802	51,359	663	58,456	53,386
13.....	1,784	52,001	700	60,683	54,481
14.....	1,946	52,560	775	59,323	54,493
15.....	1,064	53,102	362	57,125	54,252
16.....	1,834	53,307	742	59,789	55,159
17.....	1,860	55,335	813	61,396	57,067
18.....	1,808	55,651	658	60,734	57,103
19.....	1,789	57,145	671	61,135	58,285
20.....	1,684	56,708	726	61,135	57,973
21.....	1,602	57,435	651	62,143	58,780
22.....	1,682	58,909	704	61,465	59,639
23.....	994	57,798	285	58,772	58,076
TOTAL.....	37,087	55,501	13,658	59,852	56,744

- DATA NOT AVAILABLE

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 352  
RURAL OTHER PRINCIPAL ARTERIAL

HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY		
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE DAY WEIGHT
WINTER									
00	71	54,042	40	55,858	54,561	80	58,431	24	61,220
01	70	58,483	38	55,213	57,542	01	61,125	19	62,449
02	72	55,363	25	51,212	54,177	02	56,671	7	59,189
03	66	60,211	15	50,493	57,434	03	53,875	14	57,223
04	75	56,159	21	58,052	56,700	04	58,493	12	55,957
05	74	54,550	15	50,187	53,303	05	56,828	14	59,991
06	96	50,527	36	51,161	50,708	06	52,472	11	52,207
07	108	51,598	18	48,733	50,780	07	52,695	14	53,806
08	131	48,944	27	44,674	50,581	08	51,832	7	50,378
09	176	51,301	39	47,482	50,210	09	53,214	12	55,643
10	219	49,495	23	55,103	51,097	10	49,609	9	49,778
11	282	48,005	49	50,359	48,677	11	47,254	24	49,788
12	197	47,688	33	51,592	48,803	12	52,878	32	52,958
13	234	48,720	51	54,392	50,340	13	51,793	30	52,103
14	257	49,046	20	55,023	50,774	14	55,606	28	55,820
15	171	49,523	17	57,388	51,770	15	56,111	17	56,119
16	226	50,234	27	58,930	52,718	16	54,552	20	58,797
17	202	50,465	16	62,663	53,950	17	54,488	27	58,388
18	194	48,196	23	56,339	50,666	18	52,153	18	53,744
19	153	51,458	23	49,900	51,013	19	52,455	31	54,917
20	141	56,216	20	53,230	55,363	20	56,814	15	59,755
21	99	54,962	15	57,080	55,567	21	60,109	15	62,859
22	70	58,756	15	55,425	57,804	22	59,079	16	59,504
23	70	56,101	10	55,140	55,827	23	60,107	9	57,140
TOTAL	3,537	51,216	683	53,584	51,893	TOTAL	4,322	54,080	55,859

- DATA NOT AVAILABLE

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 3S2  
RURAL OTHER PRINCIPAL ARTERIAL

HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY			HOUR BY SEASON			WEEKDAY			WEEKEND			AVERAGE DAY			
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
																						VEHI- CLES IN SAMPLE
SUMMER																						
00	52	52,617	21	50,905	52,128	00		64	53,111				14	50,200								
01	74	52,585	13	55,805	53,505	01		53	53,653				32	58,019								
02	90	53,850	22	49,041	52,476	02		53	55,072				14	46,693								
03	98	57,072	21	54,214	56,256	03		78	57,113				32	62,372								
04	87	56,922	17	62,200	58,430	04		90	58,092				16	51,963								
05	74	55,301	15	56,447	55,629	05		116	51,644				38	55,334								
06	84	56,419	27	54,707	55,930	06		104	54,326				28	54,182								
07	94	56,997	23	46,417	53,974	07		97	53,457				11	43,718								
08	114	52,091	30	51,213	51,840	08		123	52,189				12	46,308								
09	149	52,010	27	46,441	50,419	09		124	49,458				10	49,520								
10	180	47,306	24	47,779	47,441	10		137	48,740				20	43,765								
11	214	48,189	29	48,279	48,214	11		147	47,305				28	49,075								
12	201	49,027	27	51,000	49,591	12		169	51,246				34	47,259								
13	218	51,419	35	47,791	50,383	13		197	51,825				31	57,348								
14	182	49,437	44	53,464	50,588	14		186	52,681				17	44,029								
15	175	50,013	17	48,735	49,648	15		149	51,463				11	60,000								
16	196	52,847	19	47,526	51,327	16		172	50,606				16	56,863								
17	158	51,330	19	45,558	49,681	17		157	51,483				16	63,388								
18	134	50,179	16	56,538	51,996	18		162	47,754				31	64,184								
19	118	48,907	24	53,717	50,281	19		130	46,519				25	50,672								
20	101	51,807	18	49,906	51,264	20		124	47,857				28	59,511								
21	82	50,071	9	53,200	50,965	21		75	54,751				31	59,574								
22	64	46,084	3	55,111	48,663	22		73	56,179				22	63,000								
23	48	53,342	6	58,767	54,892	23		60	56,980				10	51,790								
TOTAL	2,987	51,339	517	51,263	51,317	TOTAL		2,840	51,501				527	54,710								



TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 352

RURAL OTHER PRINCIPAL ARTERIAL

HOUR BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS					
00.....	292	55,163	99	56,997	55,687
01.....	297	57,041	108	58,004	57,316
02.....	307	55,261	68	51,049	54,057
03.....	322	56,931	82	58,660	57,425
04.....	339	57,467	66	56,111	57,079
05.....	398	54,610	82	56,741	55,219
06.....	433	53,252	102	54,103	53,495
07.....	432	53,528	66	48,756	52,164
08.....	532	51,259	76	51,257	51,258
09.....	674	51,757	88	49,335	51,065
10.....	792	48,904	82	49,656	49,119
11.....	898	47,721	129	50,702	48,572
12.....	875	50,509	132	50,735	50,574
13.....	958	50,902	147	53,135	51,540
14.....	936	52,024	117	53,175	52,353
15.....	722	52,113	62	55,137	52,977
16.....	865	52,253	82	58,440	54,021
17.....	739	52,075	78	60,540	54,493
18.....	679	49,641	88	59,422	52,435
19.....	587	50,167	109	54,094	51,289
20.....	538	53,401	81	57,602	54,602
21.....	432	55,593	70	60,397	56,966
22.....	377	56,227	63	59,332	57,114
23.....	262	57,081	35	53,411	56,033
TOTAL.....	13,686	52,207	2,112	54,649	52,904

- DATA NOT AVAILABLE

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 352  
RURAL MINOR ARTERIAL & COLLECTOR

WINTER BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY	HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY		
	VEHI- CLES IN		AVERAGE GROSS WEIGHT	VEHI- CLES IN		AVERAGE GROSS WEIGHT			VEHI- CLES IN		AVERAGE GROSS WEIGHT	VEHI- CLES IN		AVERAGE GROSS WEIGHT			
	SAMPLE	WEIGHT	SAMPLE	WEIGHT	SAMPLE	WEIGHT			SAMPLE	WEIGHT	SAMPLE	WEIGHT	SAMPLE	WEIGHT			
00.....	-	-	-	-	-	-	00.....	23	57,165	1	72,300	61,489	24	64,667	4	50,825	60,712
01.....	-	-	-	-	-	-	01.....	28	64,529	3	47,233	59,587	27	52,270	4	56,500	53,479
02.....	-	-	-	-	-	-	02.....	30	57,777	2	77,650	63,455	43	55,607	6	41,617	51,610
03.....	-	-	-	-	-	-	03.....	35	51,300	4	54,100	52,100	46	51,638	5	42,960	49,201
04.....	-	-	-	-	-	-	04.....	29	54,024	4	61,550	56,174	33	56,215	2	67,800	59,325
05.....	-	-	-	-	-	-	05.....	38	56,637	6	52,317	54,403	37	43,697	6	49,167	45,260
06.....	-	-	-	-	-	-	06.....	37	55,678	6	52,083	54,651	34	45,588	9	50,289	46,931
07.....	-	-	-	-	-	-	07.....	43	55,121	8	46,288	52,597	31	53,216	7	46,357	51,256
08.....	-	-	-	-	-	-	08.....	42	47,238	4	63,400	51,856	27	57,867	4	64,875	59,869
09.....	-	-	-	-	-	-	09.....	34	45,512	2	33,050	41,951	17	52,806	2	50,550	52,161
10.....	-	-	-	-	-	-	10.....	24	50,725	4	56,250	52,304	19	46,189	7	50,529	47,429
11.....	-	-	-	-	-	-	11.....	26	39,508	6	46,167	41,410	15	45,140	4	56,000	48,243
12.....	-	-	-	-	-	-	12.....	17	54,371	1	75,100	60,293	8	54,388	4	42,875	51,098
13.....	-	-	-	-	-	-	13.....	24	52,108	2	70,500	57,363	5	51,060	5	46,340	49,711
14.....	-	-	-	-	-	-	14.....	17	57,735	-	-	-	1	47,200	5	44,500	45,429
15.....	-	-	-	-	-	-	15.....	15	50,413	1	39,200	47,210	4	50,200	4	32,450	45,129
16.....	-	-	-	-	-	-	16.....	4	45,625	2	35,300	42,675	3	49,533	-	-	-
17.....	-	-	-	-	-	-	17.....	2	49,550	-	-	-	1	27,800	-	-	-
18.....	-	-	-	-	-	-	18.....	468	52,927	56	53,146	52,990	375	52,090	78	48,658	51,109
19.....	-	-	-	-	-	-	19.....										
20.....	-	-	-	-	-	-	20.....										
21.....	-	-	-	-	-	-	21.....										
22.....	-	-	-	-	-	-	22.....										
23.....	-	-	-	-	-	-	23.....										
TOTAL.....							TOTAL.....										

- DATA NOT AVAILABLE

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 382

RURAL MINOR ARTERIAL & COLLECTOR

HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY			HOUR BY SEASON			WEEKDAY			WEEKEND			AVERAGE DAY			
	VEHI- CLES IN SAMPLE			VEHI- CLES IN SAMPLE			VEHI- CLES IN SAMPLE			VEHI- CLES IN SAMPLE			VEHI- CLES IN SAMPLE			VEHI- CLES IN SAMPLE			VEHI- CLES IN SAMPLE			
	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT		
SUMMER																						
00.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06.....	9	51,422	69,750	2	56,659	56,659	14	65,664	14	65,664	14	65,664	14	65,664	14	65,664	14	65,664	14	65,664	14	65,664
07.....	15	51,960	57,900	2	51,943	51,943	12	59,633	12	59,633	12	59,633	12	59,633	12	59,633	12	59,633	12	59,633	12	59,633
08.....	29	47,507	57,800	3	50,448	50,448	23	62,374	23	62,374	23	62,374	23	62,374	23	62,374	23	62,374	23	62,374	23	62,374
09.....	31	49,865	69,050	2	55,346	55,346	30	48,397	30	48,397	30	48,397	30	48,397	30	48,397	30	48,397	30	48,397	30	48,397
10.....	23	46,857	59,267	3	49,831	49,831	29	51,148	29	51,148	29	51,148	29	51,148	29	51,148	29	51,148	29	51,148	29	51,148
11.....	20	49,965	42,200	3	47,745	47,745	13	43,777	13	43,777	13	43,777	13	43,777	13	43,777	13	43,777	13	43,777	13	43,777
12.....	18	44,533	31,433	3	41,076	41,076	23	46,178	23	46,178	23	46,178	23	46,178	23	46,178	23	46,178	23	46,178	23	46,178
13.....	28	56,432	-	-	-	-	35	56,834	35	56,834	35	56,834	35	56,834	35	56,834	35	56,834	35	56,834	35	56,834
14.....	19	47,363	72,700	1	54,602	54,602	35	49,943	35	49,943	35	49,943	35	49,943	35	49,943	35	49,943	35	49,943	35	49,943
15.....	20	46,330	56,000	1	49,093	49,093	35	53,286	35	53,286	35	53,286	35	53,286	35	53,286	35	53,286	35	53,286	35	53,286
16.....	14	51,171	38,133	3	45,445	45,445	27	52,911	27	52,911	27	52,911	27	52,911	27	52,911	27	52,911	27	52,911	27	52,911
17.....	32	53,041	52,800	2	52,972	52,972	14	49,029	14	49,029	14	49,029	14	49,029	14	49,029	14	49,029	14	49,029	14	49,029
18.....	20	50,985	26,000	1	43,846	43,846	21	53,957	21	53,957	21	53,957	21	53,957	21	53,957	21	53,957	21	53,957	21	53,957
19.....	8	52,513	-	-	-	-	10	53,510	10	53,510	10	53,510	10	53,510	10	53,510	10	53,510	10	53,510	10	53,510
20.....	11	54,400	-	-	-	-	19	50,621	19	50,621	19	50,621	19	50,621	19	50,621	19	50,621	19	50,621	19	50,621
21.....	8	52,550	-	-	-	-	11	43,509	11	43,509	11	43,509	11	43,509	11	43,509	11	43,509	11	43,509	11	43,509
22.....	4	42,673	-	-	-	-	1	58,800	1	58,800	1	58,800	1	58,800	1	58,800	1	58,800	1	58,800	1	58,800
23.....	4	41,200	-	-	-	-	2	64,450	2	64,450	2	64,450	2	64,450	2	64,450	2	64,450	2	64,450	2	64,450
TOTAL.....	313	49,992	50,277	26	50,073	50,073	394	52,693	394	52,693	394	52,693	394	52,693	394	52,693	394	52,693	394	52,693	394	52,693

- DATA NOT AVAILABLE.

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 362

RURAL MINOR ARTERIAL & COLLECTOR

HOUR BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS					
00.....	-	-	-	-	-
01.....	-	-	-	-	-
02.....	-	-	-	-	-
03.....	-	-	-	-	-
04.....	-	-	-	-	-
05.....	-	-	-	-	-
06.....	70	60,699	7	59,300	60,299
07.....	82	57,477	11	53,836	56,437
08.....	125	55,494	13	49,423	53,759
09.....	142	50,502	16	55,194	51,843
10.....	114	52,319	11	59,909	54,488
11.....	108	49,420	18	46,106	48,473
12.....	112	48,938	20	45,890	48,067
13.....	137	55,396	16	48,638	53,465
14.....	123	50,360	15	63,187	54,025
15.....	106	49,403	9	49,556	49,446
16.....	84	50,476	19	52,326	51,005
17.....	87	46,989	21	52,419	48,540
18.....	66	53,215	10	49,290	52,094
19.....	47	52,364	11	59,255	54,333
20.....	48	54,015	6	49,050	52,596
21.....	38	48,842	5	33,800	44,544
22.....	12	46,717	2	35,300	43,455
23.....	9	46,733	-	-	-
TOTAL.....	1,510	52,056	210	51,834	51,992

- DATA NOT AVAILABLE

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS HEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 392

ALL RURAL

HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY			HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY				
	VEHI- CLES IN SAMPLE			VEHI- CLES IN SAMPLE			VEHI- CLES IN SAMPLE				VEHI- CLES IN SAMPLE			VEHI- CLES IN SAMPLE			VEHI- CLES IN SAMPLE				
	AVERAGE GROSS HEIGHT	AVERAGE GROSS HEIGHT	AVERAGE GROSS HEIGHT	AVERAGE GROSS HEIGHT	AVERAGE GROSS HEIGHT	AVERAGE GROSS HEIGHT	AVERAGE GROSS HEIGHT	AVERAGE GROSS HEIGHT	AVERAGE GROSS HEIGHT		AVERAGE GROSS HEIGHT	AVERAGE GROSS HEIGHT	AVERAGE GROSS HEIGHT	AVERAGE GROSS HEIGHT	AVERAGE GROSS HEIGHT	AVERAGE GROSS HEIGHT	AVERAGE GROSS HEIGHT	AVERAGE GROSS HEIGHT	AVERAGE GROSS HEIGHT		
WINTER																					
00	437	58,429	164	60,293	58,963	00	522	60,148	139	65,358	61,693	522	60,148	139	65,358	61,693	522	60,148	139	65,358	61,693
01	422	58,247	161	59,283	58,543	01	467	60,195	218	64,046	61,295	467	60,195	218	64,046	61,295	467	60,195	218	64,046	61,295
02	353	57,709	117	57,647	57,691	02	420	58,877	141	57,771	58,561	420	58,877	141	57,771	58,561	420	58,877	141	57,771	58,561
03	408	58,823	134	56,624	58,195	03	456	57,102	155	61,072	58,236	456	57,102	155	61,072	58,236	456	57,102	155	61,072	58,236
04	368	58,402	131	58,005	58,287	04	471	57,668	135	56,533	57,344	471	57,668	135	56,533	57,344	471	57,668	135	56,533	57,344
05	443	57,622	113	58,362	57,834	05	307	57,607	148	62,561	59,022	307	57,607	148	62,561	59,022	307	57,607	148	62,561	59,022
06	483	56,227	141	57,225	56,512	06	370	57,422	169	57,633	57,482	370	57,422	169	57,633	57,482	370	57,422	169	57,633	57,482
07	367	57,025	76	52,411	55,706	07	381	56,471	109	56,899	56,593	381	56,471	109	56,899	56,593	381	56,471	109	56,899	56,593
08	629	54,146	146	58,003	55,249	08	637	54,881	184	59,853	56,305	637	54,881	184	59,853	56,305	637	54,881	184	59,853	56,305
09	675	52,129	171	57,123	53,556	09	736	53,796	204	57,219	54,774	736	53,796	204	57,219	54,774	736	53,796	204	57,219	54,774
10	747	51,277	142	61,643	54,259	10	754	51,912	205	59,307	54,025	754	51,912	205	59,307	54,025	754	51,912	205	59,307	54,025
11	898	49,614	221	59,259	52,370	11	752	51,140	225	58,460	53,231	752	51,140	225	58,460	53,231	752	51,140	225	58,460	53,231
12	729	50,264	234	56,990	52,186	12	756	52,408	222	59,286	54,374	756	52,408	222	59,286	54,374	756	52,408	222	59,286	54,374
13	793	50,546	249	60,973	53,525	13	829	52,356	217	58,619	54,289	829	52,356	217	58,619	54,289	829	52,356	217	58,619	54,289
14	894	51,154	254	59,388	53,506	14	851	53,998	251	58,932	55,407	851	53,998	251	58,932	55,407	851	53,998	251	58,932	55,407
15	565	51,530	120	55,873	52,771	15	444	54,267	158	56,333	54,857	444	54,267	158	56,333	54,857	444	54,267	158	56,333	54,857
16	719	51,593	208	57,823	53,373	16	770	53,216	263	61,936	55,622	770	53,216	263	61,936	55,622	770	53,216	263	61,936	55,622
17	780	52,673	248	61,672	55,244	17	682	55,317	290	61,933	57,207	682	55,317	290	61,933	57,207	682	55,317	290	61,933	57,207
18	694	52,923	157	61,959	55,505	18	620	54,357	242	59,222	57,602	620	54,357	242	59,222	57,602	620	54,357	242	59,222	57,602
19	699	55,565	188	61,908	57,377	19	596	56,390	292	60,633	57,754	596	56,390	292	60,633	57,754	596	56,390	292	60,633	57,754
20	662	55,635	251	61,966	57,444	20	577	56,977	239	61,311	58,215	577	56,977	239	61,311	58,215	577	56,977	239	61,311	58,215
21	646	55,050	229	61,200	57,521	21	551	59,105	203	62,701	60,133	551	59,105	203	62,701	60,133	551	59,105	203	62,701	60,133
22	598	58,367	225	60,932	59,100	22	585	60,374	205	64,072	61,430	585	60,374	205	64,072	61,430	585	60,374	205	64,072	61,430
23	360	57,768	105	57,675	57,741	23	366	59,644	129	60,392	59,858	366	59,644	129	60,392	59,858	366	59,644	129	60,392	59,858
TOTAL	14,389	53,994	4,185	59,361	55,527	TOTAL	14,300	55,584	4,743	60,217	56,908	14,300	55,584	4,743	60,217	56,908	14,300	55,584	4,743	60,217	56,908

- DATA NOT AVAILABLE

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 382

ALL RURAL

HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT	HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT		
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT			VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT
00	388	58,839	110	58,504	58,743	80	58,743	00	381	55,062	179	58,939	56,169				
01	408	56,903	86	59,324	57,595	01	57,595	01	354	57,812	189	58,278	57,946				
02	330	57,562	99	57,136	57,441	02	57,441	02	335	58,436	170	57,149	58,068				
03	408	56,555	107	56,768	56,616	03	56,616	03	332	59,189	172	60,536	59,574				
04	370	57,007	92	56,850	56,962	04	56,962	04	345	57,860	144	56,593	57,498				
05	376	57,487	87	57,586	57,515	05	57,515	05	413	54,899	142	58,677	55,979				
06	483	56,357	116	62,462	58,101	06	58,101	06	482	57,661	169	57,982	57,752				
07	350	57,388	56	53,718	56,340	07	56,340	07	303	55,878	61	53,670	55,247				
08	530	54,613	135	58,233	55,647	08	55,647	08	509	52,201	163	55,963	53,019				
09	613	51,629	107	57,678	53,357	09	53,357	09	535	52,984	208	55,438	53,685				
10	668	50,154	127	55,754	51,754	10	51,754	10	592	51,235	225	56,339	52,694				
11	601	51,255	105	57,343	52,994	11	52,994	11	566	50,042	234	54,101	51,202				
12	649	50,349	152	57,415	52,368	12	52,368	12	655	50,042	207	53,847	51,684				
13	624	52,068	159	57,397	53,591	13	53,591	13	611	52,084	238	58,985	54,856				
14	584	51,838	187	60,541	54,324	14	54,324	14	698	52,153	215	55,568	53,129				
15	435	52,305	49	57,990	53,929	15	53,929	15	448	52,237	106	57,518	53,746				
16	614	53,815	163	58,220	55,073	16	55,073	16	680	53,074	203	59,473	54,903				
17	602	54,601	173	59,113	55,890	17	55,890	17	622	54,364	201	60,974	56,253				
18	615	54,004	166	60,615	55,893	18	55,893	18	624	54,785	191	60,542	56,430				
19	576	54,315	140	59,519	55,802	19	55,802	19	552	55,607	171	57,858	55,879				
20	515	55,183	162	58,403	56,103	20	56,103	20	516	55,607	161	60,899	56,891				
21	443	55,334	144	62,582	57,519	21	57,519	21	432	56,934	150	60,261	57,884				
22	403	55,451	157	60,164	56,797	22	56,797	22	485	58,295	182	59,286	58,578				
23	251	54,474	41	56,793	55,137	23	55,137	23	288	57,390	44	54,241	56,490				
TOTAL	11,836	54,122	2,926	58,673	55,422	TOTAL	55,422	TOTAL	11,758	54,355	4,125	57,696	55,309				

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 3S2

ALL RURAL

HOUR BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
	ALL SEASONS				
00.....	1,728	58,298	592	60,789	59,009
01.....	1,651	58,373	654	60,586	59,005
02.....	1,438	58,186	527	57,424	57,968
03.....	1,604	57,832	568	59,049	58,180
04.....	1,574	57,736	502	56,993	57,523
05.....	1,739	56,942	490	59,584	57,697
06.....	2,018	56,938	595	58,577	57,406
07.....	1,401	56,717	302	54,527	56,091
08.....	2,305	54,027	628	57,834	55,115
09.....	2,559	52,668	690	56,729	53,828
10.....	2,761	51,170	699	58,181	53,173
11.....	2,817	50,457	785	57,236	52,394
12.....	2,789	50,995	815	56,897	52,681
13.....	2,879	51,797	863	59,174	53,905
14.....	3,005	52,303	907	58,594	54,101
15.....	1,892	52,518	433	56,683	53,708
16.....	2,783	52,894	843	59,490	54,779
17.....	2,686	54,168	912	61,116	56,153
18.....	2,553	53,989	756	60,430	55,829
19.....	2,423	55,362	791	60,139	56,727
20.....	2,270	55,867	813	60,694	57,246
21.....	2,072	56,893	726	61,779	58,289
22.....	2,071	58,350	769	61,222	59,170
23.....	1,265	57,571	320	58,185	57,747
TOTAL.....	52,283	54,539	15,980	59,059	55,830

- DATA NOT AVAILABLE

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 3S2  
URBAN INTERSTATE & OTHER F & E

HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT	HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT	
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT			VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT		
																VEHI- CLES IN SAMPLE
WINTER																
00	244	58,032	62,850	29	59,409	59,409	60,007	00	274	60,076	60,076	46	59,833	59,833	60,007	
01	234	57,821	63,666	35	59,491	59,491	59,549	01	245	59,533	59,533	56	59,588	59,588	59,549	
02	275	61,449	56,895	37	60,148	60,148	60,819	02	284	60,968	60,968	38	60,395	60,395	60,819	
03	249	60,143	66,005	19	61,818	61,818	58,348	03	250	58,316	58,316	48	58,429	58,429	58,348	
04	248	59,087	57,854	24	58,735	58,735	57,173	04	266	58,598	58,598	29	53,810	53,810	57,173	
05	239	57,025	56,617	30	56,908	56,908	61,567	05	283	60,425	60,425	28	64,421	64,421	61,567	
06	229	56,513	55,322	41	56,173	56,173	56,596	06	309	56,899	56,899	84	55,839	55,839	56,596	
07	138	53,690	63,478	9	56,422	56,422	57,050	07	164	57,392	57,392	67	56,396	56,396	57,050	
08	319	53,211	55,747	45	53,936	53,936	54,808	08	414	55,246	55,246	58	53,714	53,714	54,808	
09	280	55,964	52,748	67	54,402	54,402	53,112	09	412	52,893	52,893	87	53,859	53,859	53,112	
10	271	54,028	53,855	49	53,779	53,779	53,689	10	392	52,828	52,828	96	55,842	55,842	53,689	
11	326	52,498	53,690	63	52,839	52,839	53,816	11	485	52,552	52,552	83	56,977	56,977	53,816	
12	333	54,317	53,116	94	53,974	53,974	54,580	12	342	52,001	52,001	96	61,827	61,827	54,580	
13	372	52,049	60,856	135	55,566	55,566	54,601	13	371	51,795	51,795	84	61,617	61,617	54,601	
14	439	52,884	60,978	107	55,196	55,196	56,765	14	366	53,418	53,418	136	60,335	60,335	56,765	
15	231	56,002	66,572	78	59,022	59,022	57,159	15	397	54,079	54,079	110	64,995	64,995	57,159	
16	398	53,783	59,334	110	55,654	55,654	58,156	16	397	55,766	55,766	123	64,331	64,331	58,156	
17	301	55,681	59,592	97	56,799	56,799	58,640	17	355	57,309	57,309	121	61,956	61,956	58,640	
18	311	56,023	62,259	82	57,804	57,804	56,545	18	318	54,946	54,946	139	60,573	60,573	56,545	
19	308	56,416	56,722	81	56,503	56,503	58,688	19	337	57,462	57,462	123	61,753	61,753	58,688	
20	308	56,432	63,305	70	58,396	58,396	58,256	20	317	56,651	56,651	144	62,269	62,269	58,256	
21	265	58,318	62,101	78	59,399	59,399	60,086	21	299	59,856	59,856	138	60,668	60,668	60,086	
22	252	57,848	62,517	78	59,182	59,182	59,816	22	302	58,635	58,635	131	62,769	62,769	59,816	
23	121	58,331	55,633	51	57,560	57,560	60,381	23	162	59,236	59,236	55	63,245	63,245	60,381	
TOTAL	6,691	55,802	59,254	1,504	56,788	56,788	57,365	TOTAL	7,587	56,223	56,223	2,120	60,219	60,219	57,365	

- DATA NOT AVAILABLE



TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 382

URBAN INTERSTATE & OTHER F & E

HOUR	WEEKDAY			WEEKEND			AVERAGE DAY			HOUR BY SEASON			WEEKDAY			WEEKEND			AVERAGE DAY		
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
SUMMER																					
00	349	55,043	85	54,736	54,952	00	.....	242	53,124	38	56,013	.....	.....	.....	.....	.....	.....	.....	.....	.....	53,950
01	366	58,422	77	59,321	58,850	01	.....	285	54,850	40	56,855	.....	.....	.....	.....	.....	.....	.....	.....	.....	55,434
02	303	56,145	87	58,459	56,809	02	.....	178	54,016	32	56,494	.....	.....	.....	.....	.....	.....	.....	.....	.....	54,724
03	306	56,342	57	59,325	57,194	03	.....	176	57,141	46	61,315	.....	.....	.....	.....	.....	.....	.....	.....	.....	58,334
04	295	58,390	46	55,443	57,548	04	.....	188	53,379	46	56,846	.....	.....	.....	.....	.....	.....	.....	.....	.....	54,370
05	338	56,332	54	55,207	56,997	05	.....	219	51,625	45	61,936	.....	.....	.....	.....	.....	.....	.....	.....	.....	54,445
06	322	54,742	60	55,897	55,072	06	.....	289	54,198	54	57,680	.....	.....	.....	.....	.....	.....	.....	.....	.....	55,136
07	174	51,834	39	56,074	53,045	07	.....	243	53,384	58	53,857	.....	.....	.....	.....	.....	.....	.....	.....	.....	53,291
08	412	51,108	81	58,439	53,217	08	.....	443	49,979	73	54,763	.....	.....	.....	.....	.....	.....	.....	.....	.....	51,346
09	462	49,894	110	57,349	52,824	09	.....	444	49,231	86	59,687	.....	.....	.....	.....	.....	.....	.....	.....	.....	52,219
10	466	50,291	119	60,557	53,225	10	.....	399	49,931	83	58,929	.....	.....	.....	.....	.....	.....	.....	.....	.....	52,101
11	423	49,569	112	52,836	50,520	11	.....	438	45,878	94	58,929	.....	.....	.....	.....	.....	.....	.....	.....	.....	49,370
12	317	50,702	57	53,230	51,424	12	.....	452	46,204	111	58,259	.....	.....	.....	.....	.....	.....	.....	.....	.....	49,649
13	364	50,296	61	53,769	51,288	13	.....	459	49,910	120	60,107	.....	.....	.....	.....	.....	.....	.....	.....	.....	52,824
14	478	48,588	65	57,359	51,122	14	.....	458	48,319	122	58,083	.....	.....	.....	.....	.....	.....	.....	.....	.....	51,108
15	207	44,408	36	49,268	45,796	15	.....	396	48,720	96	63,653	.....	.....	.....	.....	.....	.....	.....	.....	.....	52,967
16	361	48,064	58	55,630	50,220	16	.....	492	47,614	98	61,185	.....	.....	.....	.....	.....	.....	.....	.....	.....	51,491
17	397	48,814	54	55,234	50,560	17	.....	474	50,759	138	61,559	.....	.....	.....	.....	.....	.....	.....	.....	.....	53,845
18	411	51,741	108	58,459	53,661	18	.....	485	51,076	163	60,483	.....	.....	.....	.....	.....	.....	.....	.....	.....	53,765
19	415	52,632	103	55,633	51,504	19	.....	419	52,892	127	62,883	.....	.....	.....	.....	.....	.....	.....	.....	.....	55,747
20	376	52,437	105	54,652	53,079	20	.....	346	49,537	121	58,653	.....	.....	.....	.....	.....	.....	.....	.....	.....	52,142
21	387	54,595	70	59,329	55,947	21	.....	381	52,082	122	59,506	.....	.....	.....	.....	.....	.....	.....	.....	.....	54,203
22	325	53,527	64	54,337	54,061	22	.....	414	53,184	107	60,650	.....	.....	.....	.....	.....	.....	.....	.....	.....	55,317
23	242	49,823	31	54,611	51,208	23	.....	187	45,378	61	57,995	.....	.....	.....	.....	.....	.....	.....	.....	.....	48,983
TOTAL	8,545	52,173	1,741	56,478	53,403	TOTAL	.....	8,517	50,414	2,081	59,475	.....	.....	.....	.....	.....	.....	.....	.....	.....	53,003

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 352

URBAN INTERSTATE & OTHER F & E

HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS							
00.....	1,109	56,526	193	57,207			56,720
01.....	1,110	57,623	218	59,881			58,268
02.....	1,040	58,506	184	58,207			58,420
03.....	981	57,953	170	60,357			58,640
04.....	997	57,674	145	55,921			57,173
05.....	1,079	56,604	157	59,025			57,296
06.....	1,159	55,531	239	56,136			55,704
07.....	716	53,974	173	55,495			54,408
08.....	1,588	52,294	257	55,873			53,317
09.....	1,598	51,389	350	56,125			52,742
10.....	1,508	51,262	347	58,180			53,239
11.....	1,684	50,035	352	55,390			51,565
12.....	1,444	50,435	358	56,850			52,268
13.....	1,576	50,948	400	59,710			53,451
14.....	1,741	51,036	430	59,358			53,414
15.....	997	50,388	322	63,087			54,016
16.....	1,648	51,166	389	61,044			53,988
17.....	1,527	52,747	410	60,386			54,929
18.....	1,555	53,046	492	60,352			55,134
19.....	1,479	54,594	434	59,704			56,054
20.....	1,347	53,598	440	59,630			55,321
21.....	1,332	55,798	408	60,364			57,103
22.....	1,363	55,353	380	60,879			56,932
23.....	682	52,350	198	58,325			54,057
TOTAL.....	31,260	53,443	7,446	58,942			55,014

- DATA NOT AVAILABLE

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 1S2  
URBAN OTHER PRINCIPAL ARTERIAL

WINTER	WEEKDAY				WEEKEND				AVERAGE DAY				WEEKDAY				WEEKEND				AVERAGE DAY			
	VEHI- CLES IN SAMPLE		AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE		AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE		AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE		AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE		AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE		AVERAGE GROSS WEIGHT	
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT
00	66	60,100	13	68,869	62,605	80	62,605	87	65,038	13	60,354	63,700	87	65,038	13	60,354	63,700	87	65,038	13	60,354	63,700	87	65,038
01	45	60,160	12	62,717	60,890	01	60,890	82	62,950	5	82,580	68,559	82	62,950	5	82,580	68,559	82	62,950	5	82,580	68,559	82	62,950
02	48	58,023	6	57,717	60,221	02	60,221	67	56,275	11	66,127	59,090	67	56,275	11	66,127	59,090	67	56,275	11	66,127	59,090	67	56,275
03	55	58,196	11	54,627	57,177	03	57,177	62	63,689	6	55,700	61,406	62	63,689	6	55,700	61,406	62	63,689	6	55,700	61,406	62	63,689
04	63	60,929	9	52,056	58,393	04	58,393	63	65,223	7	53,386	61,841	63	65,223	7	53,386	61,841	63	65,223	7	53,386	61,841	63	65,223
05	69	61,484	13	60,523	61,209	05	61,209	106	62,450	12	61,817	62,269	106	62,450	12	61,817	62,269	106	62,450	12	61,817	62,269	106	62,450
06	122	58,425	21	58,710	58,507	06	58,507	137	59,812	19	71,853	63,252	137	59,812	19	71,853	63,252	137	59,812	19	71,853	63,252	137	59,812
07	72	59,521	21	63,275	60,593	07	60,593	123	57,442	14	66,264	59,963	123	57,442	14	66,264	59,963	123	57,442	14	66,264	59,963	123	57,442
08	162	54,612	23	52,191	53,920	08	53,920	199	55,019	25	66,636	58,338	199	55,019	25	66,636	58,338	199	55,019	25	66,636	58,338	199	55,019
09	163	51,547	20	61,030	54,250	09	54,250	249	54,393	35	63,134	56,890	249	54,393	35	63,134	56,890	249	54,393	35	63,134	56,890	249	54,393
10	151	56,422	13	38,854	51,517	10	51,517	273	51,595	23	66,217	55,773	273	51,595	23	66,217	55,773	273	51,595	23	66,217	55,773	273	51,595
11	159	48,589	15	60,488	51,987	11	51,987	234	53,164	17	60,794	55,344	234	53,164	17	60,794	55,344	234	53,164	17	60,794	55,344	234	53,164
12	119	50,827	20	61,160	53,779	12	53,779	182	52,193	21	49,176	51,331	182	52,193	21	49,176	51,331	182	52,193	21	49,176	51,331	182	52,193
13	154	50,095	15	59,433	52,763	13	52,763	193	51,437	22	67,164	55,930	193	51,437	22	67,164	55,930	193	51,437	22	67,164	55,930	193	51,437
14	199	53,006	15	40,520	49,439	14	49,439	184	48,932	21	59,138	51,848	184	48,932	21	59,138	51,848	184	48,932	21	59,138	51,848	184	48,932
15	120	47,508	3	55,700	49,849	15	49,849	105	48,737	6	50,850	49,341	105	48,737	6	50,850	49,341	105	48,737	6	50,850	49,341	105	48,737
16	159	50,419	18	53,081	51,182	16	51,182	153	52,651	26	68,269	54,828	153	52,651	26	68,269	54,828	153	52,651	26	68,269	54,828	153	52,651
17	99	48,262	10	60,680	51,807	17	51,807	159	56,675	18	55,961	56,471	159	56,675	18	55,961	56,471	159	56,675	18	55,961	56,471	159	56,675
18	86	55,949	14	46,744	53,325	18	53,325	128	56,160	34	64,879	58,651	128	56,160	34	64,879	58,651	128	56,160	34	64,879	58,651	128	56,160
19	80	51,466	11	61,651	54,375	19	54,375	100	58,125	24	63,963	61,807	100	58,125	24	63,963	61,807	100	58,125	24	63,963	61,807	100	58,125
20	67	59,187	10	65,360	60,950	20	60,950	98	61,398	24	63,963	62,046	98	61,398	24	63,963	62,046	98	61,398	24	63,963	62,046	98	61,398
21	56	59,216	5	68,080	61,740	21	61,740	99	65,249	29	69,145	66,362	99	65,249	29	69,145	66,362	99	65,249	29	69,145	66,362	99	65,249
22	83	60,527	14	65,239	61,870	22	61,870	100	63,993	31	70,229	65,775	100	63,993	31	70,229	65,775	100	63,993	31	70,229	65,775	100	63,993
23	42	62,360	11	73,209	65,459	23	65,459	83	66,719	10	60,810	65,031	83	66,719	10	60,810	65,031	83	66,719	10	60,810	65,031	83	66,719
TOTAL	2,440	54,249	312	57,980	55,317	TOTAL	55,317	3,306	56,317	453	63,873	58,476	3,306	56,317	453	63,873	58,476	3,306	56,317	453	63,873	58,476	3,306	56,317

- DATA NOT AVAILABLE

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 382

URBAN OTHER PRINCIPAL ARTERIAL

HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
SUMMER														
00	48	62,248	27	65,174	63,084	AUTUMN	00	29	59,348	9	50,133	56,715		
01	53	64,513	15	69,338	65,963	01	01	21	53,471	5	45,380	51,160		
02	49	55,198	17	67,128	58,607	02	02	26	53,281	14	53,229	53,154		
03	33	61,539	9	64,833	62,552	03	03	17	56,082	2	47,250	53,559		
04	52	67,479	17	66,394	67,169	04	04	26	56,255	1	67,500	59,475		
05	58	58,705	8	65,575	60,668	05	05	36	61,189	7	74,500	64,992		
06	102	64,639	15	63,508	64,314	06	06	48	61,210	5	62,480	61,573		
07	68	59,882	10	70,488	62,910	07	07	67	58,109	9	58,367	58,183		
08	144	56,385	25	64,116	58,595	08	08	131	53,115	6	43,467	50,359		
09	143	52,235	22	61,577	54,904	09	09	137	50,119	12	54,650	51,414		
10	138	54,720	19	67,616	58,404	10	10	119	52,074	6	62,517	55,058		
11	138	57,619	27	62,044	58,883	11	11	134	45,881	15	62,980	50,767		
12	164	57,444	15	68,053	60,475	12	12	91	46,310	6	60,783	50,445		
13	123	52,286	17	59,806	54,435	13	13	88	52,017	4	45,550	50,169		
14	156	53,784	15	59,213	55,335	14	14	78	49,023	4	49,575	49,181		
15	87	54,154	8	52,750	53,753	15	15	51	44,008	7	50,257	45,793		
16	106	47,946	19	62,668	52,153	16	16	63	51,376	4	63,050	54,712		
17	97	56,811	12	65,992	59,434	17	17	76	50,797	15	69,387	56,109		
18	71	61,251	14	73,107	64,638	18	18	52	50,140	12	57,350	52,200		
19	62	58,473	18	65,300	59,852	19	19	40	57,253	13	70,600	61,066		
20	51	57,249	22	70,550	61,049	20	20	37	50,168	13	53,531	51,128		
21	63	63,272	6	70,700	65,394	21	21	24	57,875	16	71,969	61,902		
22	59	61,076	12	72,417	64,316	22	22	27	59,063	14	55,157	57,947		
23	37	73,405	10	69,130	72,184	23	23	13	56,708	5	55,320	56,311		
TOTAL	2,082	57,302	380	65,399	59,616	TOTAL	TOTAL	1,431	51,906	206	59,050	53,947		

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 382

URBAN OTHER PRINCIPAL ARTERIAL

HOUR BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS					
00.....	230	62,321	62	62,755	62,445
01.....	201	61,774	38	65,837	62,935
02.....	190	56,015	48	62,669	57,916
03.....	167	60,701	28	57,611	59,818
04.....	244	63,641	34	59,953	62,587
05.....	269	61,226	40	64,368	62,124
06.....	409	60,767	60	64,383	61,800
07.....	331	58,537	41	64,976	60,377
08.....	636	54,833	79	59,873	56,273
09.....	692	52,430	89	61,128	54,915
10.....	681	53,382	61	60,393	55,385
11.....	665	51,527	75	61,615	54,409
12.....	556	52,487	62	58,732	54,271
13.....	558	51,345	60	60,985	54,099
14.....	617	51,484	55	53,385	52,027
15.....	363	48,965	24	51,917	49,808
16.....	481	50,710	67	59,187	53,132
17.....	431	53,737	55	62,667	56,288
18.....	337	56,250	74	61,788	57,832
19.....	282	56,189	66	66,885	59,245
20.....	253	58,334	69	64,197	60,009
21.....	222	62,547	57	69,986	64,673
22.....	269	61,789	71	66,641	63,175
23.....	175	66,343	36	66,147	66,287
TOTAL.....	9,259	55,312	1,351	62,208	57,282

- DATA NOT AVAILABLE

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 382  
URBAN MINOR ARTERIAL & COLLECTOR

WINTER	WEEKDAY			WEEKEND			AVERAGE DAY			WEEKDAY			WEEKEND			AVERAGE DAY		
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	HOUR BY SEASON	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	HOUR BY SEASON	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	HOUR BY SEASON	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	HOUR BY SEASON	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	HOUR BY SEASON	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	HOUR BY SEASON
00	-	-	00	-	-	00	-	-	00	-	-	00	-	-	00	-	-	00
01	-	-	01	-	-	01	-	-	01	-	-	01	-	-	01	-	-	01
02	-	-	02	-	-	02	-	-	02	-	-	02	-	-	02	-	-	02
03	-	-	03	-	-	03	-	-	03	-	-	03	-	-	03	-	-	03
04	-	-	04	-	-	04	-	-	04	-	-	04	-	-	04	-	-	04
05	-	-	05	-	-	05	-	-	05	-	-	05	-	-	05	-	-	05
06	5	36,220	06	23	41,935	06	23	41,935	06	23	41,935	06	23	41,935	06	23	41,935	06
07	16	38,544	07	59	45,931	07	59	45,931	07	59	45,931	07	59	45,931	07	59	45,931	07
08	35	44,417	08	86	41,170	08	86	41,170	08	86	41,170	08	86	41,170	08	86	41,170	08
09	33	42,606	09	87	40,392	09	87	40,392	09	87	40,392	09	87	40,392	09	87	40,392	09
10	48	43,544	10	94	38,855	10	94	38,855	10	94	38,855	10	94	38,855	10	94	38,855	10
11	49	44,680	11	83	42,847	11	83	42,847	11	83	42,847	11	83	42,847	11	83	42,847	11
12	23	45,413	12	98	43,761	12	98	43,761	12	98	43,761	12	98	43,761	12	98	43,761	12
13	17	48,818	13	78	44,777	13	78	44,777	13	78	44,777	13	78	44,777	13	78	44,777	13
14	89	46,772	14	23	51,800	14	23	51,800	14	23	51,800	14	23	51,800	14	23	51,800	14
15	48	44,588	15	16	47,600	15	16	47,600	15	16	47,600	15	16	47,600	15	16	47,600	15
16	53	45,934	16	4	67,523	16	4	67,523	16	4	67,523	16	4	67,523	16	4	67,523	16
17	34	43,579	17	6	47,600	17	6	47,600	17	6	47,600	17	6	47,600	17	6	47,600	17
18	24	49,729	18	4	51,200	18	4	51,200	18	4	51,200	18	4	51,200	18	4	51,200	18
19	6	53,117	19	4	72,750	19	4	72,750	19	4	72,750	19	4	72,750	19	4	72,750	19
20	15	53,527	20	3	30,257	20	3	30,257	20	3	30,257	20	3	30,257	20	3	30,257	20
21	11	54,864	21	1	47,000	21	1	47,000	21	1	47,000	21	1	47,000	21	1	47,000	21
22	3	40,867	22	1	77,800	22	1	77,800	22	1	77,800	22	1	77,800	22	1	77,800	22
23	2	29,550	23	-	-	23	-	-	23	-	-	23	-	-	23	-	-	23
TOTAL	513	45,456	TOTAL	670	43,076	TOTAL	670	43,076	TOTAL	670	43,076	TOTAL	670	43,076	TOTAL	670	43,076	TOTAL

- DATA NOT AVAILABLE

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS HEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 3S2  
 URBAN MINOR ARTERIAL & COLLECTOR

SUMMER	HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY			HOUR BY SEASON			WEEKDAY			WEEKEND			AVERAGE DAY			
		VEHI- CLES IN SAMPLE	AVERAGE GROSS HEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS HEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS HEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS HEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS HEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS HEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS HEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS HEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS HEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS HEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS HEIGHT
00	00	33	56,021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01	01	33	53,739	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	02	27	59,148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	03	24	53,954	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	04	17	57,953	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	05	22	58,032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	06	54	52,763	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	07	60	51,527	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	08	66	41,212	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	09	56	47,102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	10	37	45,816	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	11	53	48,728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	12	52	43,538	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	13	50	48,080	1	31,000	43,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	14	38	50,676	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	15	41	44,805	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	16	39	43,367	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	17	28	43,914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	18	16	51,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	19	14	52,629	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	20	8	60,363	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	21	6	63,683	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	22	3	48,167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	23	3	48,167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	TOTAL	777	48,713	2	39,600	46,109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- DATA NOT AVAILABLE.

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 3S2

URBAN MINOR ARTERIAL & COLLECTOR

HOUR BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS					
00.....	33	56,021	-	-	-
01.....	33	53,739	-	-	-
02.....	27	59,148	-	-	-
03.....	24	53,954	-	-	-
04.....	17	57,953	-	-	-
05.....	22	58,032	-	-	-
06.....	93	47,562	-	-	-
07.....	140	47,402	1	39,500	45,144
08.....	223	44,294	4	51,075	46,231
09.....	209	43,967	3	49,067	45,424
10.....	203	42,258	5	48,960	44,173
11.....	214	43,110	1	33,600	40,393
12.....	194	43,805	1	81,000	54,432
13.....	171	47,460	5	47,120	47,363
14.....	172	48,817	2	31,050	43,741
15.....	109	46,443	1	45,800	46,259
16.....	135	45,307	1	40,200	43,848
17.....	81	44,207	1	40,500	43,148
18.....	63	50,705	2	47,409	49,761
19.....	28	53,646	2	59,850	55,419
20.....	31	53,897	2	55,400	54,326
21.....	19	56,547	-	-	-
22.....	10	54,310	-	-	-
23.....	2	29,550	-	-	-
TOTAL.....	2,253	46,391	31	48,384	46,961

- DATA NOT AVAILABLE



TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 3S2

ALL URBAN

HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT			HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT				
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
																					VEHI- CLES IN SAMPLE
WINTER																					
00	310	58,473	37	64,965	60,328	00	361	61,272	59	59,949	60,894	327	60,390	61	61,472	60,699	351	60,809	49	61,682	60,544
01	279	58,196	47	63,423	59,691	01	312	59,384	54	58,126	59,024	369	60,447	36	53,567	58,461	40	63,640	61,738		
02	323	60,940	43	58,126	60,136	02	389	60,977	40	63,640	61,738	469	56,972	103	58,793	57,492	82	57,711	56,100		
03	304	59,790	30	61,833	60,374	03	699	53,449	86	57,409	54,581	748	51,938	123	56,237	53,167	120	57,663	52,657		
04	311	59,460	35	56,273	58,549	04	759	50,654	100	57,626	53,412	802	51,726	100	57,626	53,412	118	59,087	53,138		
05	308	58,024	43	57,798	57,959	05	622	50,759	108	62,072	54,045	642	50,835	108	62,072	54,045	157	60,001	55,139		
06	356	56,912	62	56,469	56,785	06	272	52,214	116	64,169	55,630	272	52,214	116	64,169	55,630	149	63,457	57,197		
07	229	54,304	17	63,382	56,894	07	566	54,693	149	63,457	57,197	520	56,889	174	61,178	56,950	148	63,150	59,294		
08	516	53,054	63	54,544	53,480	08	441	57,751	190	55,258	56,975	441	57,751	190	55,258	56,975	168	62,469	58,973		
09	476	52,996	87	54,647	53,468	09	418	57,575	200	55,751	56,975	418	57,575	200	55,751	56,975	167	62,140	61,441		
10	470	53,727	62	50,647	52,847	10	399	61,162	210	60,012	61,441	399	61,162	210	60,012	61,441	162	64,196	61,208		
11	534	50,617	73	55,066	51,888	11	245	61,771	220	60,812	61,441	245	61,771	220	60,812	61,441	65	62,871	62,085		
12	475	53,012	114	54,527	53,445	12	11,483	55,483	2,585	60,788	56,999	11,483	55,483	2,585	60,788	56,999	TOTAL				
13	543	51,394	152	60,930	54,118	13															
14	727	52,169	123	58,192	53,890	14															
15	399	52,074	81	66,169	56,101	15															
16	610	52,224	129	59,167	54,208	16															
17	434	53,041	107	59,693	54,941	17															
18	421	55,649	96	59,999	56,892	18															
19	394	55,360	92	57,311	55,918	19															
20	390	56,794	80	63,563	58,728	20															
21	332	58,355	84	62,526	59,547	21															
22	338	58,355	92	62,929	59,662	22															
23	165	59,007	62	58,752	58,934	23															
TOTAL	9,644	54,859	1,820	59,027	56,050	TOTAL															

- DATA NOT AVAILABLE

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 382

ALL URBAN

HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT	HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT		
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT			VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT
SUMMER							AUTUMN										
00	430	55,922	112	57,245	56,300	271	00	271	53,790	47	54,887	54,104					
01	432	58,824	103	61,383	59,555	306	01	306	54,756	45	55,616	55,001					
02	379	56,236	94	60,035	57,322	204	02	204	53,910	46	55,500	54,364					
03	363	56,666	66	60,076	57,640	193	03	193	57,048	48	60,729	58,100					
04	364	59,668	63	58,398	59,305	214	04	214	53,730	47	57,072	54,685					
05	418	56,751	62	56,806	56,767	255	05	255	52,975	52	63,246	55,910					
06	488	56,592	75	57,417	56,828	348	06	348	54,714	59	57,903	55,626					
07	299	53,603	49	59,014	55,149	313	07	313	54,335	67	53,770	54,173					
08	622	51,280	106	59,816	53,719	610	08	610	51,084	80	53,836	51,870					
09	661	50,164	132	58,054	52,418	614	09	614	49,440	100	58,969	52,163					
10	621	51,009	138	61,529	54,015	542	10	542	49,559	93	59,854	52,500					
11	626	50,595	139	54,673	51,760	601	11	601	45,864	110	58,542	49,486					
12	533	52,077	172	56,518	53,289	564	12	564	46,099	117	58,389	49,610					
13	537	50,545	73	54,778	51,755	583	13	583	50,385	126	59,413	52,965					
14	672	49,912	80	57,788	52,162	558	14	558	48,509	127	57,648	51,120					
15	335	46,987	45	49,874	47,812	463	15	463	48,278	104	62,580	52,364					
16	506	47,677	77	57,352	50,441	582	16	582	47,924	102	61,258	51,733					
17	522	50,037	66	57,224	52,091	563	17	563	50,735	153	62,326	54,047					
18	528	53,013	122	60,140	55,049	556	18	556	50,993	176	60,352	53,662					
19	491	53,369	122	56,746	54,334	463	19	463	53,148	140	63,599	56,134					
20	435	53,147	127	57,431	54,371	388	20	388	49,177	136	58,117	52,117					
21	436	53,576	76	60,225	56,904	406	21	406	52,400	139	60,951	54,843					
22	457	54,467	76	58,084	55,500	444	22	444	53,628	121	60,014	55,453					
23	249	53,327	41	58,198	54,719	200	23	200	46,115	66	57,792	49,451					
TOTAL	11,404	52,674	2,123	58,059	54,355	10,242	TOTAL	10,242	50,595	2,300	59,389	53,108					

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 3S2

ALL URBAN

HOUR BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS					
00.....	1,372	57,485	255	58,556	57,791
01.....	1,344	58,149	256	60,765	58,896
02.....	1,257	58,143	232	59,130	58,425
03.....	1,172	58,263	198	59,969	58,750
04.....	1,258	58,835	179	56,687	58,221
05.....	1,370	57,534	197	60,110	58,270
06.....	1,661	56,374	299	57,791	56,779
07.....	1,187	54,471	215	57,228	55,259
08.....	2,447	52,225	340	56,746	53,517
09.....	2,499	51,057	442	57,085	52,779
10.....	2,392	51,102	413	58,395	53,186
11.....	2,563	49,844	428	56,430	51,726
12.....	2,194	50,369	421	57,185	52,316
13.....	2,305	50,785	465	59,739	53,344
14.....	2,530	50,994	487	58,567	53,158
15.....	1,469	49,744	347	62,265	53,321
16.....	2,264	50,720	457	60,726	53,579
17.....	2,039	52,617	466	60,613	54,901
18.....	1,955	53,523	568	60,494	55,515
19.....	1,789	54,831	502	60,649	56,493
20.....	1,631	54,338	511	60,230	56,021
21.....	1,573	56,760	465	61,544	58,126
22.....	1,642	56,401	451	61,786	57,940
23.....	859	55,147	234	59,528	56,399
TOTAL.....	42,772	53,476	8,828	59,404	55,170

- DATA NOT AVAILABLE

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 3S2  
ALL FUNCTIONAL CLASSES COMBINED

HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT	HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT			VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
WINTER								SPRING							
00	747	58,447	201	61,158	59,222	00	883	60,607	198	63,886	61,544				
01	701	58,228	208	60,218	58,796	01	794	60,273	279	63,483	61,192				
02	676	59,253	160	57,776	58,831	02	771	59,429	190	58,779	59,243				
03	712	59,236	164	57,577	58,762	03	768	58,829	209	60,311	58,681				
04	699	58,873	164	57,657	58,525	04	840	58,889	171	55,909	58,038				
05	751	57,787	156	58,286	57,507	05	896	59,070	188	62,790	60,153				
06	839	56,517	203	56,994	56,553	06	1,039	57,219	272	58,072	57,463				
07	596	55,979	93	34,416	55,533	07	727	55,987	191	57,248	56,348				
08	1,145	53,654	214	56,904	54,583	08	1,336	54,132	270	59,081	55,546				
09	1,151	52,488	258	56,288	53,573	09	1,484	52,860	327	56,850	54,000				
10	1,217	52,223	204	58,301	53,860	10	1,513	51,281	325	58,700	53,401				
11	1,432	49,988	300	58,185	52,324	11	1,954	51,443	325	58,203	53,374				
12	1,284	51,348	348	56,183	52,729	12	1,378	51,664	340	59,217	53,822				
13	1,336	50,891	401	60,956	53,757	13	1,493	51,816	325	59,767	54,088				
14	1,621	51,609	377	58,998	53,720	14	1,402	53,669	408	59,343	55,290				
15	964	51,755	201	60,022	54,174	15	716	53,487	274	59,650	55,248				
16	1,329	51,883	337	58,337	53,722	16	1,336	53,842	412	62,299	56,257				
17	1,214	52,804	355	61,075	55,167	17	1,202	55,997	430	61,643	57,610				
18	1,115	53,952	253	61,215	56,029	18	1,070	54,742	416	60,040	56,256				
19	1,093	55,491	280	60,328	56,893	19	1,037	56,969	440	61,479	58,257				
20	1,052	56,065	331	62,352	57,861	20	995	57,228	407	61,789	58,531				
21	978	56,832	313	61,556	58,182	21	950	59,969	370	62,448	60,677				
22	936	58,363	317	61,511	59,262	22	988	60,226	367	64,127	61,341				
23	525	58,157	168	58,073	58,133	23	611	60,497	194	61,223	60,704				
TOTAL	24,035	54,341	6,006	59,260	55,746	TOTAL	25,783	55,539	7,328	60,418	56,933				

- DATA NOT AVAILABLE

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 382

ALL FUNCTIONAL CLASSES COMBINED

HOUR BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	HOUR BY SEASON	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	HOUR BY SEASON		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
SUMMER														
00.....	818	57,306	00.....	222	57,868	00.....	57,467	652	54,533	00.....	226	58,096	55,551	
01.....	840	57,821	01.....	189	60,447	01.....	58,621	660	56,395	01.....	234	57,766	56,787	
02.....	709	56,853	02.....	193	58,548	02.....	57,338	539	56,723	02.....	216	56,798	56,744	
03.....	771	56,607	03.....	173	58,030	03.....	57,014	525	58,402	03.....	220	60,578	59,024	
04.....	734	58,327	04.....	155	57,479	04.....	58,085	559	56,279	04.....	191	56,711	56,402	
05.....	794	57,099	05.....	149	57,262	05.....	57,146	668	54,165	05.....	194	59,902	55,804	
06.....	971	56,475	06.....	191	60,481	06.....	57,620	830	56,425	06.....	228	57,962	56,864	
07.....	649	55,644	07.....	105	56,130	07.....	55,800	616	55,094	07.....	128	53,723	54,702	
08.....	1,152	52,813	08.....	241	58,939	08.....	54,561	1,119	51,592	08.....	243	54,659	52,468	
09.....	1,274	50,869	09.....	239	57,885	09.....	52,873	1,149	51,091	09.....	308	56,584	52,660	
10.....	1,289	50,366	10.....	263	58,762	10.....	52,908	1,134	50,434	10.....	318	57,367	52,415	
11.....	1,227	50,918	11.....	244	55,822	11.....	52,319	1,167	47,890	11.....	344	55,521	50,070	
12.....	1,182	51,128	12.....	224	57,963	12.....	52,824	1,219	48,634	12.....	324	55,487	50,452	
13.....	1,161	51,364	13.....	238	56,528	13.....	52,839	1,194	51,255	13.....	364	59,134	53,506	
14.....	1,236	50,807	14.....	267	59,716	14.....	53,353	1,256	50,534	14.....	342	56,340	52,133	
15.....	770	49,991	15.....	95	54,080	15.....	51,154	911	50,225	15.....	210	60,025	53,025	
16.....	1,120	51,042	16.....	245	57,948	16.....	53,015	1,262	50,699	16.....	305	60,070	53,376	
17.....	1,124	52,481	17.....	239	58,552	17.....	54,227	1,185	52,640	17.....	354	61,558	55,188	
18.....	1,143	53,546	18.....	288	60,414	18.....	55,508	1,180	52,998	18.....	367	60,441	55,125	
19.....	1,067	53,880	19.....	262	58,228	19.....	55,122	1,015	54,202	19.....	311	60,443	55,985	
20.....	950	54,251	20.....	289	57,975	20.....	55,315	904	53,079	20.....	297	59,192	54,826	
21.....	879	55,454	21.....	220	62,030	21.....	57,333	838	54,737	21.....	288	60,591	56,410	
22.....	860	54,928	22.....	233	59,485	22.....	56,230	929	56,065	22.....	303	59,577	57,068	
23.....	500	53,903	23.....	82	57,495	23.....	54,929	488	52,769	23.....	110	56,372	53,798	
TOTAL.....	23,240	53,509	TOTAL.....	5,049	58,415	TOTAL.....	54,911	21,999	52,605	TOTAL.....	6,425	58,302	54,233	

TABLE 11. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY FUNCTIONAL CLASSIFICATION AND HOUR FOR VEHICLE TYPE 382

ALL FUNCTIONAL CLASSES COMBINED

HOUR BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
	ALL SEASONS				
00.....	3,100	57,938	847	60,117	58,560
01.....	2,995	58,272	910	60,636	58,948
02.....	2,695	58,166	759	57,945	58,103
03.....	2,776	58,014	766	59,287	58,378
04.....	2,832	58,224	681	56,912	57,849
05.....	3,109	57,203	687	59,735	57,926
06.....	3,679	56,683	894	58,314	57,149
07.....	2,588	55,687	517	55,651	55,676
08.....	4,752	53,099	968	57,452	54,343
09.....	5,058	51,872	1,132	56,868	53,299
10.....	5,153	51,138	1,112	58,260	53,173
11.....	5,380	50,165	1,213	56,951	52,104
12.....	4,983	50,719	1,236	56,995	52,512
13.....	5,184	51,347	1,328	59,372	53,640
14.....	5,535	51,705	1,394	58,585	53,671
15.....	3,361	51,305	780	59,166	53,551
16.....	5,047	51,919	1,300	59,924	54,206
17.....	4,725	53,498	1,378	60,946	55,626
18.....	4,508	53,787	1,324	60,457	55,693
19.....	4,212	55,136	1,293	60,337	56,622
20.....	3,901	55,228	1,324	60,515	56,738
21.....	3,645	56,836	1,191	61,687	58,222
22.....	3,713	57,488	1,220	61,431	58,615
23.....	2,124	56,591	554	58,753	57,208
TOTAL.....	95,055	54,061	24,808	59,182	55,524

- DATA NOT AVAILABLE -

TABLE 12. WEEKDAY / WEEKEND DISTRIBUTION OF AVERAGE PAYLOAD WEIGHTS FOR VEHICLE TYPE 3S2

HOUR	WEEKDAY						WEEKEND					
	VEHICLES IN SAMPLE			AVERAGE GROSS WEIGHT			VEHICLES IN SAMPLE			AVERAGE GROSS WEIGHT		
	LOADED	EMPTY	AVERAGE PAYLOAD	LOADED	EMPTY	AVERAGE PAYLOAD	LOADED	EMPTY	AVERAGE PAYLOAD	LOADED	EMPTY	AVERAGE PAYLOAD
00	1,247	189	63,474	28,989	444	49	65,057	29,776	35,281			
01	1,185	169	62,739	30,059	495	51	64,305	29,957	34,348			
02	999	132	62,851	29,687	399	59	62,597	29,586	33,051			
03	1,126	156	62,081	29,030	432	54	62,725	30,235	32,490			
04	1,054	180	62,569	29,941	351	85	63,566	30,534	33,032			
05	1,151	189	62,232	29,616	360	48	64,099	30,577	33,522			
06	1,294	221	62,549	30,116	431	55	63,198	30,571	32,627			
07	769	118	62,739	28,615	191	33	60,888	29,312	31,576			
08	1,291	357	62,170	28,615	460	79	63,942	29,911	33,961			
09	1,275	467	62,342	28,627	506	80	62,657	27,680	34,977			
10	1,314	540	61,827	28,192	540	66	63,008	28,988	34,020			
11	1,259	551	61,753	29,280	559	78	63,078	28,679	34,399			
12	1,217	583	62,091	28,893	567	96	63,239	30,202	33,037			
13	1,244	540	62,032	28,890	637	63	63,792	29,239	34,543			
14	1,380	566	62,020	29,496	690	84	62,941	29,410	33,531			
15	783	281	61,841	28,752	313	49	61,482	29,226	32,186			
16	1,315	518	62,734	29,356	646	96	63,255	29,735	34,520			
17	1,422	438	63,080	30,191	750	63	64,027	30,075	33,952			
18	1,432	374	62,417	29,813	593	65	64,117	29,875	34,241			
19	1,474	315	63,022	29,645	611	60	64,150	30,435	34,715			
20	1,363	321	63,082	29,640	668	57	63,841	29,707	34,134			
21	1,312	230	63,530	29,861	607	44	64,466	30,093	34,373			
22	1,435	247	63,885	29,993	642	61	64,407	30,418	33,989			
23	866	128	61,995	29,401	254	30	62,328	29,197	33,132			
TOTAL	29,207	7,870	62,574	29,253	12,146	1,505	63,586	29,715	33,871			

- DATA NOT AVAILABLE

TABLE 12. WEEKDAY / WEEKEND DISTRIBUTION OF AVERAGE PAYLOAD WEIGHTS FOR VEHICLE TYPE 3S2

RURAL OTHER PRINCIPAL ARTERIAL

HOUR	WEEKDAY						WEEKEND					
	VEHICLES IN SAMPLE			AVERAGE GROSS WEIGHT			VEHICLES IN SAMPLE			AVERAGE GROSS WEIGHT		
	LOADED	EMPTY	AVERAGE PAYLOAD	LOADED	EMPTY	AVERAGE PAYLOAD	LOADED	EMPTY	AVERAGE PAYLOAD	LOADED	EMPTY	AVERAGE PAYLOAD
00	249	43	59,674	29,040	29,040	30,634	80	19	63,645	29,005	34,640	
01	254	43	62,005	27,721	27,721	34,284	92	16	62,840	30,194	32,646	
02	271	36	58,624	29,947	29,947	28,676	56	12	55,216	31,600	23,616	
03	280	42	61,130	28,940	28,940	32,189	71	11	63,077	30,145	32,932	
04	285	54	62,613	30,307	30,307	32,306	56	10	61,071	28,330	32,741	
05	323	75	60,654	28,576	28,576	32,078	66	16	63,835	27,481	36,354	
06	338	95	59,816	29,896	29,896	29,920	87	15	58,910	29,120	29,290	
07	339	93	60,288	28,886	28,886	31,402	47	19	57,362	27,468	29,893	
08	407	124	57,918	29,573	29,573	28,346	60	16	57,283	28,656	28,627	
09	522	151	58,119	25,750	25,750	28,370	65	23	55,888	30,817	25,070	
10	558	194	55,175	29,574	29,574	25,601	61	21	56,410	30,038	26,372	
11	697	201	53,051	29,237	29,237	23,814	95	34	58,062	30,079	28,003	
12	659	176	55,883	29,159	29,159	26,727	113	19	54,732	26,726	28,045	
13	778	180	55,823	29,607	29,607	26,222	127	20	56,472	31,940	24,332	
14	747	189	57,696	29,607	29,607	28,089	93	24	59,263	29,583	29,680	
15	597	125	57,103	28,282	28,282	28,822	54	8	59,150	28,050	31,100	
16	702	163	57,513	29,599	29,599	27,914	69	13	63,612	30,992	32,619	
17	586	143	57,426	29,776	29,776	27,656	67	11	65,597	29,736	35,861	
18	538	141	54,974	29,289	29,289	25,685	79	9	62,759	30,122	32,637	
19	441	146	57,125	29,151	29,151	27,974	85	24	60,333	32,000	28,333	
20	439	99	58,610	30,306	30,306	28,304	68	13	62,763	30,608	32,156	
21	352	80	61,461	29,774	29,774	31,688	61	9	64,485	32,689	31,796	
22	321	56	60,817	29,914	29,914	30,903	53	10	63,986	34,670	29,315	
23	232	30	60,888	27,640	27,640	33,248	31	4	57,510	21,650	35,860	
TOTAL	11,005	2,679	57,760	29,399	29,399	28,361	1,736	376	60,021	29,848	30,172	

- DATA NOT AVAILABLE



TABLE 12. WEEKDAY / WEEKEND DISTRIBUTION OF AVERAGE PAYLOAD WEIGHTS FOR VEHICLE TYPE 352

RURAL MINOR ARTERIAL & COLLECTOR

HOUR	WEEKDAY						WEEKEND					
	VEHICLES IN SAMPLE		AVERAGE GROSS WEIGHT		AVERAGE PAYLOAD	TOTAL	VEHICLES IN SAMPLE		AVERAGE GROSS WEIGHT		AVERAGE PAYLOAD	TOTAL
	LOADED	EMPTY	LOADED	EMPTY			LOADED	EMPTY	LOADED	EMPTY		
00	-	-	-	-	-	-	-	-	-	-	-	-
01	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-
06	54	16	53,565	30,775	36,790	5	5	70,330	31,700	38,640	2	2
07	57	25	58,663	31,972	36,691	6	6	71,817	32,500	39,117	5	5
08	91	33	63,145	28,809	36,336	7	7	67,943	28,167	39,476	6	6
09	88	54	63,045	30,061	32,984	11	11	68,336	26,720	41,616	5	5
10	73	40	63,174	29,488	34,686	9	9	65,999	32,550	33,439	2	2
11	67	41	61,219	30,133	31,080	8	8	66,198	30,040	36,148	3	3
12	58	54	57,183	29,381	37,842	9	9	71,313	28,942	42,371	7	7
13	102	35	63,871	30,697	33,173	11	11	62,333	31,029	31,305	12	12
14	76	47	64,759	30,311	32,449	10	10	75,000	30,700	44,300	4	4
15	61	45	64,661	28,720	33,941	9	9	64,160	30,550	34,210	4	4
16	52	32	62,571	30,172	32,799	8	8	72,100	30,356	41,744	3	3
17	46	41	63,637	28,005	35,752	12	12	68,177	31,089	37,328	10	10
18	47	23	55,807	27,804	39,003	5	5	69,260	29,320	39,640	4	4
19	31	16	64,619	28,619	36,001	7	7	77,329	26,575	51,654	5	5
20	34	14	53,979	29,814	34,169	3	3	69,233	28,867	40,367	1	1
21	21	17	64,352	29,682	34,670	4	4	44,000	31,250	12,750	4	4
22	8	4	55,888	26,375	30,513	1	1	38,500	32,100	7,400	1	1
23	5	4	61,920	27,750	34,170	-	-	-	-	-	-	-
TOTAL	967	541	64,567	29,553	34,975	118	92	68,916	29,925	38,991	9	9

- DATA NOT AVAILABLE

TABLE 12. WEEKDAY / WEEKEND DISTRIBUTION OF AVERAGE PAYLOAD HEIGHTS FOR VEHICLE TYPE 382  
 URBAN INTERSTATE & OTHER F & E

HOUR	WEEKDAY						WEEKEND					
	VEHICLES IN SAMPLE		AVERAGE GROSS WEIGHT		AVERAGE PAYLOAD		VEHICLES IN SAMPLE		AVERAGE GROSS WEIGHT		AVERAGE PAYLOAD	
	LOADED	EMPTY	LOADED	EMPTY	LOADED	EMPTY	LOADED	EMPTY	LOADED	EMPTY	LOADED	EMPTY
00	517	192	62,551	27,747	34,804	165	28	61,905	29,521	32,384		
01	552	178	63,143	28,723	34,420	196	22	63,185	30,450	32,735		
02	896	144	63,242	29,009	34,237	155	29	63,600	29,379	34,221		
03	837	143	62,968	28,483	34,485	147	23	65,185	29,500	35,685		
04	860	135	62,010	30,070	31,941	119	26	61,508	30,350	34,158		
05	899	179	62,131	28,773	33,358	134	23	64,123	29,326	34,797		
06	930	229	62,146	28,508	33,678	195	43	62,336	28,022	34,325		
07	557	159	61,458	27,754	33,704	139	34	62,386	27,329	35,610		
08	1,103	434	61,258	28,513	32,745	206	51	62,919	27,329	35,066		
09	1,100	497	61,963	27,933	34,030	280	70	62,840	29,267	35,573		
10	1,016	492	62,160	28,756	33,405	284	63	64,368	30,285	34,085		
11	1,098	582	61,571	28,155	33,417	283	68	61,725	29,015	32,711		
12	969	474	61,249	28,322	32,927	283	74	64,001	29,439	34,562		
13	1,024	550	62,766	28,900	33,866	338	62	65,376	28,821	36,555		
14	1,161	579	62,393	28,259	34,134	372	58	67,323	29,436	34,533		
15	653	343	62,483	27,320	35,162	286	36	64,016	29,483	35,384		
16	1,115	532	61,852	28,775	33,077	346	43	64,956	29,572	35,384		
17	1,107	427	62,371	27,952	34,419	359	51	64,828	29,120	35,708		
18	1,123	448	63,123	28,147	34,976	431	60	64,715	29,420	35,295		
19	1,004	353	62,912	28,171	34,741	375	59	64,489	29,292	35,198		
20	1,059	345	62,898	28,273	34,625	384	56	64,277	27,763	35,514		
21	1,084	273	62,267	28,506	33,961	353	55	64,533	29,955	35,148		
22	503	173	61,180	26,368	34,813	171	27	63,338	26,574	36,764		
23	8,139	28,517	62,289	28,517	33,971	6,342	1,100	64,126	29,075	35,053		

- DATA NOT AVAILABLE

TABLE 12. WEEKDAY / WEEKEND DISTRIBUTION OF AVERAGE PAYLOAD WEIGHTS FOR VEHICLE TYPE 332

URBAN OTHER PRINCIPAL ARTERIAL

HOUR	WEEKDAY						WEEKEND					
	VEHICLES IN SAMPLE			AVERAGE GROSS WEIGHT			VEHICLES IN SAMPLE			AVERAGE GROSS WEIGHT		
	LOADED	EMPTY	AVERAGE PAYLOAD	LOADED	EMPTY	AVERAGE PAYLOAD	LOADED	EMPTY	AVERAGE PAYLOAD	LOADED	EMPTY	AVERAGE PAYLOAD
00	197	33	68,381	27,342	40,838	45	17	74,927	30,535	44,391		
01	168	33	68,421	27,330	40,491	31	7	74,123	29,143	44,980		
02	146	44	64,536	27,741	36,795	40	8	69,197	30,025	39,173		
03	141	26	66,659	28,388	36,210	19	9	71,884	27,478	44,406		
04	219	25	67,909	26,248	41,861	24	10	72,183	30,600	41,523		
05	226	43	67,408	26,735	38,676	32	8	73,488	27,886	45,600		
06	344	65	66,797	28,854	37,943	53	7	68,715	31,536	37,129		
07	268	63	65,772	27,759	38,013	36	5	70,978	21,750	49,218		
08	466	170	64,229	29,676	35,152	60	19	69,443	29,653	39,791		
09	472	219	63,526	28,527	34,599	75	14	67,653	26,171	41,482		
10	481	198	63,815	28,923	34,592	44	17	72,793	28,300	44,493		
11	441	224	63,006	28,929	34,077	60	15	69,563	29,820	39,743		
12	372	184	64,259	28,685	35,873	48	14	67,454	26,829	38,626		
13	371	187	62,869	28,482	34,387	51	19	66,286	30,933	35,385		
14	414	203	62,417	29,187	33,230	37	18	64,562	30,411	34,151		
15	234	129	60,591	27,675	32,716	17	7	61,929	27,600	34,329		
16	299	182	63,686	29,391	34,296	54	13	66,577	28,500	38,074		
17	235	155	65,110	29,137	35,973	42	15	73,157	28,777	44,380		
18	235	102	67,599	30,103	37,496	57	17	71,982	27,582	44,407		
19	195	87	67,871	29,003	37,868	50	6	71,449	28,533	42,167		
20	179	74	70,272	29,457	40,815	57	12	71,449	29,775	41,669		
21	184	38	69,610	28,350	41,260	55	2	71,224	35,950	35,950		
22	208	61	71,412	28,977	42,434	62	9	71,884	30,467	41,425		
23	157	18	70,694	28,389	42,305	28	8	77,999	28,875	53,064		
TOTAL	6,712	2,542	65,356	28,832	36,523	1,087	264	70,299	28,930	41,360		

- DATA NOT AVAILABLE

TABLE 12. WEEKDAY / WEEKEND DISTRIBUTION OF AVERAGE PAYLOAD WEIGHTS FOR VEHICLE TYPE 3S2

URBAN MINOR ARTERIAL & COLLECTOR

HOUR	WEEKDAY						WEEKEND					
	VEHICLES IN SAMPLE		AVERAGE GROSS WEIGHT		AVERAGE PAYLOAD		VEHICLES IN SAMPLE		AVERAGE GROSS WEIGHT		AVERAGE PAYLOAD	
	LOADED	EMPTY	LOADED	EMPTY	LOADED	EMPTY	LOADED	EMPTY	LOADED	EMPTY	LOADED	EMPTY
00	29	4	59,252	32,600	26,652	-	-	-	-	-	-	-
01	28	5	58,311	28,140	30,171	-	-	-	-	-	-	-
02	25	2	61,568	28,990	32,668	-	-	-	-	-	-	-
03	22	2	56,023	31,200	24,823	-	-	-	-	-	-	-
04	16	1	60,025	24,800	35,225	-	-	-	-	-	-	-
05	19	3	61,516	35,967	25,549	-	-	-	-	-	-	-
06	60	33	57,270	29,912	27,358	-	-	-	-	-	-	-
07	86	53	58,501	29,075	29,426	-	-	-	-	-	-	-
08	97	126	62,167	30,534	31,633	-	-	-	-	-	-	-
09	95	114	61,435	29,411	32,024	3	1	56,167	35,800	20,367	1	35,800
10	86	117	58,790	30,107	28,683	4	2	70,400	38,400	32,000	2	38,400
11	94	120	59,748	30,077	29,671	1	1	51,400	39,200	12,200	1	39,200
12	83	111	63,195	23,306	33,889	1	1	33,600	-	-	-	-
13	83	88	66,382	29,613	36,769	1	2	81,000	-	-	-	-
14	92	80	64,399	30,899	33,500	1	1	77,100	27,133	49,967	3	27,133
15	59	50	61,129	29,114	32,015	1	1	36,900	25,200	11,700	1	25,200
16	63	72	62,503	30,260	32,243	-	-	45,800	-	-	-	-
17	40	41	58,775	29,995	28,780	-	-	-	40,200	-	-	-
18	35	28	65,071	32,746	32,325	1	1	40,500	-	-	-	-
19	18	10	65,444	30,610	35,834	1	2	71,200	23,600	47,600	1	23,600
20	20	10	65,845	29,950	35,895	1	1	59,850	-	-	-	-
21	15	6	65,708	36,700	29,008	-	-	73,400	37,400	36,000	1	37,400
22	7	3	61,900	36,600	25,300	-	-	-	-	-	-	-
23	-	2	-	29,950	-	-	-	-	-	-	-	-
TOTAL	1,170	1,081	61,462	30,056	31,406	19	12	57,937	53,258	24,679	12	53,258

- DATA NOT AVAILABLE

TABLE 12. WEEKDAY / WEEKEND DISTRIBUTION OF AVERAGE PAYLOAD WEIGHTS FOR VEHICLE TYPE 382  
ALL FUNCTIONAL CLASSES COMBINED

HOUR	WEEKDAY						WEEKEND					
	VEHICLES IN SAMPLE		AVERAGE GROSS WEIGHT		AVERAGE PAYLOAD		VEHICLES IN SAMPLE		AVERAGE GROSS WEIGHT		AVERAGE PAYLOAD	
	LOADED	EMPTY	LOADED	EMPTY	LOADED	EMPTY	LOADED	EMPTY	LOADED	EMPTY	LOADED	EMPTY
00	2,639	461	63,100	28,390	34,710	734	113	64,800	29,697	35,102	29,697	35,102
01	2,567	428	63,137	29,098	34,039	814	96	64,243	30,050	34,193	30,050	34,193
02	2,337	358	62,604	29,197	33,407	650	108	62,606	29,765	32,841	29,765	32,841
03	2,406	369	62,492	28,775	33,717	669	97	63,563	29,795	33,768	29,795	33,768
04	2,434	395	62,840	29,788	33,052	550	131	63,243	30,334	32,908	30,334	32,908
05	2,618	489	62,444	29,109	33,335	592	95	64,582	29,526	35,056	29,526	35,056
06	3,020	659	62,636	29,407	33,229	771	122	62,865	29,567	33,298	29,567	33,298
07	2,076	511	62,374	28,503	33,871	419	97	62,010	28,133	33,877	28,133	33,877
08	3,505	1,244	61,727	28,816	32,911	796	172	63,599	29,006	34,593	29,006	34,593
09	3,552	1,502	61,753	28,495	33,250	938	194	62,714	28,602	34,113	28,602	34,113
10	3,568	1,581	61,009	28,857	32,153	942	170	63,427	29,631	33,796	29,631	33,796
11	3,656	1,719	60,128	28,324	31,205	1,006	205	62,608	29,173	33,435	29,173	33,435
12	3,398	1,582	60,926	28,772	32,154	1,020	215	62,972	29,473	33,319	29,473	33,319
13	3,502	1,850	61,140	29,007	32,132	1,164	164	63,574	29,545	34,029	29,545	34,029
14	3,870	1,664	61,411	29,131	32,280	1,204	189	63,127	29,554	33,573	29,554	33,573
15	2,387	973	60,764	28,088	32,676	676	104	63,779	29,183	34,596	29,183	34,596
16	3,546	1,499	61,503	29,241	32,262	1,125	175	64,612	29,789	34,824	29,789	34,824
17	3,499	1,825	62,028	29,168	32,858	1,231	147	64,681	29,665	35,016	29,665	35,016
18	3,330	1,416	61,908	29,137	32,772	1,166	157	64,659	29,410	35,249	29,410	35,249
19	3,282	927	62,514	29,032	33,482	1,140	153	64,400	30,064	34,336	30,064	34,336
20	3,036	865	62,601	29,261	33,340	1,181	142	64,309	29,065	35,244	29,065	35,244
21	2,940	704	63,453	29,208	34,283	1,077	114	65,002	30,375	34,627	30,375	34,627
22	3,063	649	63,300	29,179	34,300	1,099	120	64,825	30,520	34,520	30,520	34,520
23	1,769	355	62,388	27,705	34,683	484	69	63,280	27,232	36,048	27,232	36,048
TOTAL	72,160	22,853	62,016	28,936	33,080	21,448	3,349	63,821	29,476	34,545	29,476	34,545

- DATA NOT AVAILABLE -

TABLE 13. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY SEASON AND FUNCTIONAL CLASSIFICATION

RURAL INTERSTATE

HPMS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED
BUSES.....	191	332.98	395	543.47	288	315.26	180	339.38	1,054	408.11
SINGLE UNIT - 2 AXLE, 4 TIRE.....	4,280	1.12	4,766	1.52	5,783	1.17	2,756	1.09	17,585	1.24
SINGLE UNIT - 2 AXLE, 6 TIRE.....	2,185	113.38	2,333	116.98	2,575	106.00	1,793	116.45	8,886	111.59
SINGLE UNIT - 3 AXLE OR MORE.....	468	440.45	400	565.35	428	456.21	406	394.12	1,702	462.72
ALL SINGLE UNIT TRUCKS.....	6,933	66.16	7,499	67.52	8,786	54.06	4,955	72.87	28,173	63.93
COMBINATION - 3 AXLE	263	441.39	337	461.06	249	441.26	242	429.62	1,091	444.87
COMBINATION - 4 AXLE	1,420	694.15	1,281	632.05	1,272	683.19	1,053	630.42	5,026	662.20
OTHER.....	93	168.80	95	194.60	108	175.19	118	246.11	414	198.42
COMBINATION - 5 AXLE	13,871	951.47	13,843	1,043.86	10,919	962.38	12,112	958.92	50,743	980.80
OTHER.....	984	2,523.15	1,077	2,282.25	1,003	2,537.57	1,403	2,185.20	4,547	2,359.05
COMBINATION - 6 AXLE	243	1,719.20	366	1,647.52	363	1,733.85	378	1,463.49	1,350	1,633.79
OR MORE.....	16,874	1,020.26	16,999	1,087.98	13,914	1,055.09	15,386	1,053.39	63,173	1,054.22
ALL COMBINATIONS.....	23,807	742.41	24,498	775.61	22,700	667.65	20,341	816.54	91,361	748.80
ALL TRUCKS.....	23,998	739.15	24,893	771.93	22,988	663.23	20,521	810.37	92,400	744.91

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE

TABLE 13. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY SEASON AND FUNCTIONAL CLASSIFICATION

RURAL OTHER PRINCIPAL ARTERIAL

MPHS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED
BUSES.....	171	415.43	157	430.51	58	555.39	181	419.61	567	435.26
SINGLE UNIT - 2 AXLE, 4 TIRE.....	2,998	2.50	3,416	2.10	2,455	2.19	1,956	1.94	10,825	2.20
SINGLE UNIT - 2 AXLE, 6 TIRE.....	2,013	130.36	1,813	145.09	1,472	134.83	1,232	143.72	6,590	138.03
SINGLE UNIT - 3 AXLE OR MORE.....	446	426.99	346	441.64	328	426.78	349	408.31	1,469	425.95
ALL SINGLE UNIT TRUCKS.....	5,457	84.36	5,575	75.88	4,255	80.81	3,597	92.29	18,884	82.57
COMBINATION - 3 AXLE	143	355.03	258	412.39	128	418.09	137	442.01	666	407.26
COMBINATION - 4 AXLE	1,253	544.19	852	742.31	746	759.07	527	669.08	3,378	661.10
COMBINATION - 4 AXLE OTHER.....	24	190.62	44	231.22	53	195.72	46	304.16	167	234.21
COMBINATION - 5 AXLE	4,180	831.92	4,747	992.82	3,504	816.13	3,367	826.41	15,798	874.26
COMBINATION - 5 AXLE OTHER.....	135	1,091.67	220	2,141.09	157	1,990.77	193	2,142.78	703	2,060.08
COMBINATION - 6 AXLE OR MORE.....	49	894.46	63	1,332.15	48	1,124.43	60	1,072.79	220	1,118.61
ALL COMBINATIONS.....	5,784	780.40	6,184	972.98	4,636	827.30	4,328	851.05	20,932	862.29
ALL TRUCKS.....	11,241	442.50	11,759	547.66	8,891	470.05	7,929	506.66	39,816	492.48
ALL VEHICLE TYPES.....	11,412	442.10	11,916	546.12	8,949	470.60	8,106	504.72	40,383	491.68

1/ P = 2.5 AND SN = 3  
- DATA NOT AVAILABLE

TABLE 13. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY SEASON AND FUNCTIONAL CLASSIFICATION  
RURAL MINOR ARTERIAL & COLLECTOR

HPMS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED
BUSES.....	2	64.08	-	-	3	311.80	3	56.13	8	153.99
SINGLE UNIT - 2 AXLE, 4 TIRE.....	8	3.10	11	4.08	44	1.72	17	2.26	80	2.30
SINGLE UNIT - 2 AXLE, 6 TIRE.....	512	175.77	532	108.74	469	157.53	624	109.70	2,137	135.79
SINGLE UNIT - 3 AXLE OR MORE.....	127	473.26	151	294.13	105	287.52	173	497.05	556	396.94
ALL SINGLE UNIT TRUCKS.....	647	232.03	694	147.42	618	168.53	814	189.78	2,773	184.30
COMBINATION - 3 AXLE	37	349.65	35	271.67	19	282.95	22	232.44	113	288.10
COMBINATION - 4 AXLE	56	436.00	58	344.84	68	497.94	35	405.59	217	426.14
COMBINATION - 4 AXLE OTHER.....	14	96.44	16	112.01	8	34.67	14	77.03	52	86.50
COMBINATION - 5 AXLE	524	955.69	453	894.70	339	764.64	404	1,018.81	1,720	916.80
COMBINATION - 5 AXLE OTHER.....	49	1,923.57	63	2,274.04	41	2,266.62	53	1,912.10	206	2,096.08
COMBINATION - 6 AXLE OR MORE.....	13	1,083.85	24	1,299.05	18	1,486.05	12	1,473.32	67	1,338.75
ALL COMBINATIONS.....	693	934.81	649	941.51	493	847.92	540	1,020.39	2,375	938.06
ALL TRUCKS.....	1,340	595.48	1,343	531.16	1,111	470.00	1,354	521.04	5,148	532.04
ALL VEHICLE TYPES.....	1,342	594.69	1,343	531.16	1,114	469.58	1,357	520.01	5,156	531.46

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE



TABLE 13. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY SEASON AND FUNCTIONAL CLASSIFICATION

ALL RURAL

HPMS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED
BUSES.....	364	370.24	552	511.34	349	355.14	364	376.94	1,629	416.31
SINGLE UNIT - 2 AXLE, 4 TYRE.....	7,286	1.69	8,193	1.77	8,282	1.48	4,729	1.45	28,430	1.61
SINGLE UNIT - 2 AXLE, 6 TYRE.....	4,710	127.42	4,678	126.93	4,516	120.75	3,709	121.92	17,613	124.42
SINGLE UNIT - 3 AXLE OR MORE.....	1,041	438.68	897	471.97	863	424.43	923	418.65	3,727	438.41
ALL SINGLE UNIT TRUCKS.....	13,037	82.01	13,768	74.93	13,658	67.57	9,368	90.49	49,830	77.69
COMBINATION - 3 AXLE	443	405.85	630	430.61	396	429.22	404	423.15	1,879	422.00
COMBINATION - 4 AXLE	2,729	520.00	2,194	657.33	2,085	704.28	1,615	638.16	8,621	655.82
COMBINATION - 4 AXLE OTHER.....	131	165.06	152	196.47	169	174.98	178	247.81	633	198.67
COMBINATION - 5 AXLE	18,575	924.69	19,043	1,027.59	14,762	921.70	15,883	932.35	68,263	954.53
COMBINATION - 5 AXLE OTHER.....	1,168	2,425.00	1,360	2,253.04	1,204	2,456.84	1,727	2,172.13	5,456	2,310.60
COMBINATION - 6 AXLE OR MORE.....	305	1,559.62	453	1,585.20	429	1,655.27	459	1,416.70	1,637	1,552.48
ALL COMBINATIONS	23,351	958.31	23,832	1,054.15	19,043	994.27	20,254	1,009.27	86,480	1,004.58
ALL TRUCKS.....	36,388	644.35	37,600	695.59	32,782	607.21	29,620	718.75	136,310	665.74
ALL VEHICLE TYPES.....	36,752	641.64	38,152	692.92	33,051	604.55	29,984	714.60	137,939	662.80

1/ P = 2.5 AND SM = 5  
- DATA NOT AVAILABLE

TABLE 13. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY SEASON AND FUNCTIONAL CLASSIFICATION  
 URBAN INTERSTATE & OTHER F & E

HPHS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED
BUSES.....	4	381.20	6	598.05	46	181.25	186	105.60	242	136.75
SINGLE UNIT - 2 AXLE, 4 TIRE.....	9	3.12	14	3.01	6,203	.85	6,643	.84	12,869	.85
SINGLE UNIT - 2 AXLE, 6 TIRE.....	823	154.99	1,076	130.94	2,273	106.74	2,445	107.85	6,617	117.09
SINGLE UNIT - 3 AXLE OR MORE.....	435	341.99	571	362.42	773	506.19	875	557.74	2,654	465.34
ALL SINGLE UNIT TRUCKS.....	1,267	218.12	1,661	209.43	9,249	69.11	9,963	76.01	22,140	91.27
COMBINATION - 3 AXLE	243	371.26	356	390.23	388	328.47	423	327.26	1,410	351.06
COMBINATION - 4 AXLE	524	465.80	650	434.46	1,240	815.68	1,503	778.15	3,917	691.21
OTHER.....	70	199.82	117	162.17	119	121.62	136	195.06	442	167.33
COMBINATION - 5 AXLE	8,195	956.71	9,627	974.20	10,286	874.86	10,598	851.73	38,706	910.57
3S2.....	886	2,072.39	1,160	1,934.25	1,031	2,139.58	798	2,401.92	3,875	2,116.77
OTHER.....	193	2,371.03	216	1,351.52	288	1,468.54	272	1,344.88	969	1,587.50
COMBINATION - 6 AXLE OR MORE.....	10,111	1,036.72	12,126	1,018.85	13,352	957.24	13,730	920.88	49,319	978.56
ALL COMBINATIONS.....	11,378	945.57	13,787	921.33	22,601	593.79	23,693	565.61	71,459	703.65
ALL TRUCKS.....	11,382	945.37	13,793	921.19	22,647	592.95	23,679	562.03	71,701	701.74

1/ P = 2.5 AND SN = 5  
 - DATA NOT AVAILABLE

TABLE 13. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY SEASON AND FUNCTIONAL CLASSIFICATION

URBAN OTHER PRINCIPAL ARTERIAL

HPS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED
BUSES.....	331	280.30	350	267.55	72	920.34	128	393.83	881	344.04
SINGLE UNIT - 2 AXLE, 4 TIRE.....	11,703	1.21	12,812	1.16	5,105	1.48	4,071	1.04	33,691	1.21
SINGLE UNIT - 2 AXLE, 6 TIRE.....	2,555	107.51	3,171	127.87	1,932	125.58	1,858	115.25	9,516	119.47
SINGLE UNIT - 3 AXLE OR MORE.....	1,499	416.88	1,196	726.64	652	576.81	567	735.24	3,890	584.33
ALL SINGLE UNIT TRUCKS.....	15,757	57.99	17,179	75.06	7,669	80.16	6,436	97.79	47,101	73.31
COMBINATION - 3 AXLE	172	357.70	236	294.10	134	377.54	146	351.40	688	338.41
COMBINATION - 4 AXLE	730	1,048.88	890	1,363.96	497	1,172.12	615	697.12	2,732	1,092.62
COMBINATION - 4 AXLE OTHER.....	30	177.58	40	125.53	34	156.86	28	147.80	132	150.15
COMBINATION - 5 AXLE	2,752	1,176.08	3,759	1,329.00	2,462	1,441.90	1,637	960.13	10,610	1,258.62
COMBINATION - 5 AXLE OTHER.....	105	1,485.09	185	1,331.22	156	1,500.54	88	1,242.44	534	1,396.31
COMBINATION - 6 AXLE OR MORE.....	54	2,209.45	63	1,585.21	45	1,238.52	51	1,500.59	213	1,649.96
ALL COMBINATIONS.....	3,843	1,128.94	5,173	1,281.70	3,328	1,345.63	2,565	873.98	14,909	1,186.45
ALL TRUCKS.....	19,600	267.97	22,352	354.31	10,997	463.12	9,061	317.52	62,010	340.94
ALL VEHICLE TYPES.....	19,931	268.18	22,702	352.98	11,069	466.10	9,189	318.58	62,891	340.99

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE

TABLE 13. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY SEASON AND FUNCTIONAL CLASSIFICATION

URBAN MINOR ARTERIAL & COLLECTOR

HPMS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED
BUSES.....	2	716.65	18	483.60	7	383.16	13	445.47	40	465.28
SINGLE UNIT - 2 AXLE, 4 TIRE.....	1	1.44	13	3.07	96	1.32	59	1.62	169	1.56
SINGLE UNIT - 2 AXLE, 6 TIRE.....	519	88.39	675	104.07	689	114.79	633	106.03	2,516	104.27
SINGLE UNIT - 3 AXLE OR MORE.....	200	225.13	380	380.91	382	339.76	272	603.10	1,154	392.66
ALL SINGLE UNIT TRUCKS.....	720	126.26	988	186.80	1,167	179.10	964	239.89	3,839	186.44
COMBINATION - 3 AXLE	86	148.31	112	218.66	110	217.33	42	259.99	350	205.92
COMBINATION - 4 AXLE	48	373.79	67	432.95	70	353.90	40	449.13	225	398.61
COMBINATION - 4 AXLE OTHER.....	14	77.66	28	158.68	27	192.08	30	156.06	99	155.54
COMBINATION - 5 AXLE	517	587.45	682	539.12	779	687.84	306	756.72	2,284	629.93
COMBINATION - 5 AXLE OTHER.....	134	867.62	231	536.40	168	1,102.01	114	1,380.02	647	900.51
COMBINATION - 6 AXLE OR MORE.....	13	460.35	20	523.65	20	288.10	7	498.55	60	428.49
ALL COMBINATIONS.....	812	563.72	1,140	491.23	1,174	664.90	539	790.23	3,665	606.89
ALL TRUCKS.....	1,532	358.12	2,128	349.89	2,341	422.72	1,503	437.25	7,504	391.79
ALL VEHICLE TYPES.....	1,534	358.59	2,146	351.01	2,348	422.61	1,516	437.32	7,544	392.18

1/ P = 2.5 AND SM = 5  
- DATA NOT AVAILABLE

TABLE 13. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY SEASON AND FUNCTIONAL CLASSIFICATION

ALL URBAN

HPMS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED
	BUSES.....	337	284.09	374	283.25	125	618.28	327	231.94	1,163
SINGLE UNIT - 2 AXLE, 4 TIRE.....	11,713	1.21	12,839	1.17	11,404	1.14	10,773	.92	46,729	1.11
SINGLE UNIT - 2 AXLE, 6 TIRE.....	3,897	114.99	4,922	125.27	4,894	115.31	4,936	110.41	18,649	116.57
SINGLE UNIT - 3 AXLE OR MORE.....	2,134	383.64	2,067	575.85	1,787	495.59	1,714	623.86	7,702	514.61
ALL SINGLE UNIT TRUCKS.....	17,744	72.19	19,828	91.88	18,085	80.89	17,423	93.20	73,080	84.78
COMBINATION - 3 AXLE	501	328.33	704	330.71	632	319.53	611	328.41	2,448	326.76
COMBINATION - 4 AXLE	1,302	784.84	1,607	949.18	1,807	895.83	2,158	748.96	6,874	841.17
COMBINATION - 4 AXLE OTHER.....	114	178.97	185	153.72	180	138.85	194	182.21	673	162.23
COMBINATION - 5 AXLE	11,464	992.72	14,068	1,047.91	13,527	967.30	12,541	863.56	51,600	969.71
COMBINATION - 5 AXLE OTHER.....	1,125	1,874.07	1,576	1,658.57	1,353	1,937.36	1,000	2,183.39	3,056	1,885.84
COMBINATION - 6 AXLE OR MORE.....	260	2,241.94	299	1,345.38	353	1,372.34	330	1,350.99	1,242	1,542.22
ALL COMBINATIONS.....	16,766	1,034.71	18,439	1,059.97	17,854	1,010.41	16,834	909.55	67,893	1,004.15
ALL TRUCKS.....	32,510	509.37	38,267	558.36	35,939	542.66	34,257	494.36	140,973	527.51
ALL VEHICLE TYPES.....	32,847	507.66	38,641	555.69	36,064	542.93	34,584	491.88	142,136	525.69

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE

TABLE 13. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY SEASON AND FUNCTIONAL CLASSIFICATION

ALL FUNCTIONAL CLASSES COMBINED

HPMS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED
BUSES.....	701	328.82	326	419.22	474	424.53	691	308.32	2,792	369.98
SINGLE UNIT - 2 AXLE, 4 TIRE.....	18,999	1.39	21,032	1.40	19,686	1.28	15,502	1.08	75,219	1.30
SINGLE UNIT - 2 AXLE, 6 TIRE.....	8,607	121.79	9,600	126.08	9,410	117.92	8,695	115.34	36,262	120.39
SINGLE UNIT - 3 AXLE OR MORE.....	3,175	401.69	2,964	544.41	2,648	472.45	2,642	551.65	11,429	489.76
ALL SINGLE UNIT TRUCKS.....	30,781	76.35	33,596	84.94	31,744	75.16	26,789	92.25	122,910	81.86
COMBINATION - 3 AXLE	944	364.71	1,334	377.89	1,028	360.24	1,012	365.95	4,318	368.01
COMBINATION - 4 AXLE	4,031	673.24	3,798	786.58	3,893	793.19	3,773	701.53	15,495	738.05
OTHER.....	245	171.53	340	173.21	349	156.34	372	213.60	1,306	179.89
COMBINATION - 5 AXLE	30,039	950.65	33,111	1,036.22	28,289	943.50	28,424	902.00	119,863	961.07
COMBINATION - 5 AXLE OTHER.....	2,293	2,154.70	2,936	1,936.72	2,556	2,181.45	2,727	2,176.26	10,512	2,105.92
COMBINATION - 6 AXLE OR MORE.....	565	1,873.61	752	1,489.85	782	1,527.55	780	1,368.90	2,879	1,548.05
ALL COMBINATIONS.....	38,117	987.91	42,271	1,056.69	36,897	1,002.08	37,088	964.01	154,373	1,004.39
ALL TRUCKS.....	68,898	580.66	75,867	626.37	68,641	573.41	63,877	598.41	277,283	595.46
ALL VEHICLE TYPES.....	69,599	578.12	76,793	623.87	69,115	572.39	64,568	595.30	280,075	593.21

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE.

TABLE 14. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY SEASON AND FUNCTIONAL CLASSIFICATION

RURAL INTERSTATE

HPMS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED
	BUSES.....	191	403.23	395	641.09	288	365.92	180	416.21	1,054
SINGLE UNIT - 2 AXLE, 4 TIRE.....	4,280	1.26	4,766	1.66	5,783	1.30	2,756	1.21	17,585	1.37
SINGLE UNIT - 2 AXLE, 6 TIRE.....	2,185	110.74	2,333	112.94	2,575	102.62	1,793	106.68	9,886	108.15
SINGLE UNIT - 3 AXLE OR MORE.....	468	642.65	400	827.37	428	673.88	406	578.02	1,702	678.50
ALL SINGLE UNIT TRUCKS.....	6,933	79.06	7,499	80.32	8,786	63.76	4,955	86.64	28,173	75.96
COMBINATION - 3 AXLE	263	422.39	337	442.83	249	425.10	242	413.39	1,091	427.34
COMBINATION - 4 AXLE	1,420	861.15	1,281	738.53	1,272	831.35	1,053	759.43	5,026	801.04
COMBINATION - 4 AXLE OTHER.....	93	193.69	95	232.63	108	203.13	118	286.76	414	231.61
COMBINATION - 5 AXLE	13,871	1,594.16	13,843	1,757.06	10,919	1,615.38	12,112	1,608.67	50,745	1,546.63
COMBINATION - 5 AXLE OTHER.....	984	2,740.88	1,077	2,484.08	1,003	2,811.94	1,483	2,360.26	4,547	2,571.59
COMBINATION - 6 AXLE OR MORE.....	243	2,136.02	366	1,877.75	363	1,874.15	378	1,641.71	1,350	1,857.18
ALL COMBINATIONS.....	16,874	1,581.17	16,999	1,694.39	13,914	1,604.44	15,386	1,594.86	63,173	1,620.10
ALL TRUCKS.....	23,807	1,143.73	24,498	1,200.31	22,700	1,008.12	20,341	1,227.47	91,346	1,143.85
ALL VEHICLE TYPES.....	23,998	1,137.84	24,893	1,191.44	22,988	1,000.08	20,521	1,220.35	92,400	1,136.33

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE

TABLE 14. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY SEASON AND FUNCTIONAL CLASSIFICATION

RURAL OTHER PRINCIPAL ARTERIAL

HPMS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED
BUSES.....	171	444.74	157	476.85	58	635.26	181	484.04	567	485.67
SINGLE UNIT - 2 AXLE, 4 TIRE.....	2,998	2.60	3,416	2.20	2,455	2.30	1,956	2.05	10,825	2.31
SINGLE UNIT - 2 AXLE, 6 TIRE.....	2,013	126.38	1,813	140.65	1,472	130.78	1,292	140.00	6,590	133.96
SINGLE UNIT - 3 AXLE OR MORE.....	446	625.95	346	643.50	328	632.07	349	598.69	1,469	624.97
ALL SINGLE UNIT TRUCKS.....	5,457	99.21	5,575	87.03	4,255	95.30	3,597	109.49	18,884	96.69
COMBINATION - 3 AXLE	143	340.12	258	396.69	128	403.07	137	430.58	666	392.74
COMBINATION - 4 AXLE	1,253	643.30	852	898.52	746	925.18	527	785.95	3,378	792.18
COMBINATION - 4 AXLE OTHER.....	24	210.25	44	274.24	53	230.88	46	347.37	167	271.43
COMBINATION - 5 AXLE	4,180	1,383.94	4,747	1,664.45	3,504	1,348.37	3,367	1,378.52	15,798	1,459.19
COMBINATION - 5 AXLE OTHER.....	135	2,173.70	220	2,472.76	157	2,300.24	191	2,448.94	703	2,372.52
COMBINATION - 6 AXLE OR MORE.....	49	1,241.44	63	1,932.58	48	1,514.91	60	1,289.37	220	1,512.10
ALL COMBINATIONS.....	5,784	1,210.05	6,184	1,527.88	4,636	1,275.36	4,328	1,311.40	20,932	1,339.37
ALL TRUCKS.....	11,241	570.78	11,759	844.76	8,891	710.61	7,925	765.88	39,816	749.99
ALL VEHICLE TYPES.....	11,412	567.40	11,916	839.91	8,949	710.12	8,106	759.59	40,383	746.28

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE



TABLE 14. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY SEASON AND FUNCTIONAL CLASSIFICATION

RURAL MINOR ARTERIAL & COLLECTOR

HPMS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED
BUSES.....	2	60.38	-	-	3	361.63	3	52.86	8	170.53
SINGLE UNIT - 2 AXLE, 4 TIRE.....	8	3.15	11	4.14	44	1.77	17	2.33	80	2.35
SINGLE UNIT - 2 AXLE, 6 TIRE.....	512	170.66	532	104.80	459	158.34	624	105.74	2,137	132.60
SINGLE UNIT - 3 AXLE OR MORE.....	127	690.31	151	398.61	105	378.86	173	671.84	556	546.13
ALL SINGLE UNIT TRUCKS.....	647	270.59	694	167.13	618	184.53	814	223.72	2,773	211.76
COMBINATION - 3 AXLE	37	338.81	35	259.52	19	249.73	22	223.44	113	276.81
COMBINATION - 4 AXLE	56	533.70	58	409.79	60	617.38	35	488.31	217	519.48
252.....	14	115.09	16	123.88	8	39.88	14	110.57	52	104.89
COMBINATION - 4 AXLE OTHER.....	524	1,604.03	453	1,497.94	339	1,274.39	404	1,723.20	1,720	1,538.11
COMBINATION - 5 AXLE	49	2,284.93	63	2,596.78	41	2,670.91	53	2,294.61	286	2,458.68
COMBINATION - 5 AXLE OTHER.....	13	1,300.72	24	1,551.14	18	1,847.32	12	1,937.20	67	1,658.35
OR MORE.....	693	1,462.36	549	1,408.69	493	1,261.16	540	1,601.89	2,375	1,437.47
ALL COMBINATIONS.....	1,343	886.93	1,343	767.11	1,114	662.28	1,354	773.84	5,148	777.24
ALL TRUCKS.....	1,342	885.70	1,343	767.11	1,114	661.47	1,357	771.45	5,156	776.29
ALL VEHICLE TYPES.....										

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE

TABLE 14. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY SEASON AND FUNCTIONAL CLASSIFICATION

ALL RURAL

HPMS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED
	BUSES.....	364	420.85	552	594.38	349	410.65	364	446.94	1,629
SINGLE UNIT - 2 AXLE, 4 TIRE.....	7,286	1.81	8,193	1.89	8,282	1.60	4,729	1.56	28,490	1.73
SINGLE UNIT - 2 AXLE, 6 TIRE.....	4,710	123.94	4,678	122.76	4,516	117.58	3,709	118.13	17,613	120.77
SINGLE UNIT - 3 AXLE OR MORE.....	1,041	641.31	897	684.27	861	621.88	928	603.13	3,727	637.65
ALL SINGLE UNIT TRUCKS.....	13,037	97.00	13,768	87.41	13,559	79.05	9,366	107.33	49,830	91.37
COMBINATION - 3 AXLE	443	388.85	630	413.78	396	409.57	401	408.84	1,870	405.92
COMBINATION - 4 AXLE	2,729	754.40	2,191	792.04	2,086	857.93	1,615	762.21	8,621	790.48
COMBINATION - 4 AXLE	131	188.32	155	233.22	169	204.07	178	288.56	633	251.71
OTHER.....	18,575	1,547.14	19,043	1,727.81	14,762	1,544.17	15,883	1,562.79	68,263	1,600.54
COMBINATION - 5 AXLE	1,168	2,656.20	1,350	2,488.61	1,201	2,740.23	1,727	2,368.06	5,456	2,541.72
OTHER.....	305	1,956.70	453	1,868.07	429	1,832.69	450	1,602.61	1,637	1,802.34
OR MORE.....	23,351	1,485.72	23,852	1,643.40	19,043	1,515.44	20,254	1,534.46	86,480	1,547.13
ALL COMBINATIONS.....	36,388	988.17	37,600	1,073.65	32,702	915.49	29,620	1,083.19	136,310	1,014.96
ALL TRUCKS.....	36,752	982.55	38,152	1,066.71	33,051	910.16	29,984	1,075.47	137,939	1,008.68

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE

TABLE 14. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY SEASON AND FUNCTIONAL CLASSIFICATION

URBAN INTERSTATE & OTHER F & E

HPMS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES IN SAMPLE WEIGHED
BUSES.....	4	480.40	6	743.78	46	201.73	186	125.92	242	161.51
SINGLE UNIT - 2 AXLE, 4 TIRE.....	9	3.19	14	3.06	6,203	.97	6,643	.95	12,869	.96
SINGLE UNIT - 2 AXLE, 6 TIRE.....	823	149.55	1,076	125.90	2,273	103.59	2,445	104.81	6,617	113.38
SINGLE UNIT - 3 AXLE OR MORE.....	435	496.76	571	520.73	773	767.27	875	844.81	2,654	695.47
ALL SINGLE UNIT TRUCKS.....	1,267	267.72	1,661	260.61	9,249	90.23	9,963	100.55	22,140	117.81
COMBINATION - 3 AXLE	243	356.90	356	378.38	388	313.31	423	313.10	1,410	337.19
COMBINATION - 4 AXLE	524	526.11	650	476.20	1,240	1,089.94	1,503	1,031.14	3,917	890.11
COMBINATION - 4 AXLE OTHER.....	70	248.46	117	183.37	119	132.99	136	220.19	442	191.44
COMBINATION - 5 AXLE	8,195	1,595.65	9,627	1,624.70	18,286	1,464.43	18,598	1,426.55	38,706	1,521.71
COMBINATION - 5 AXLE OTHER.....	886	2,263.54	1,160	2,111.38	1,031	2,364.60	798	2,706.28	3,875	2,336.05
COMBINATION - 6 AXLE OR MORE.....	193	2,755.06	216	1,491.22	288	1,725.87	272	1,672.52	969	1,863.58
ALL COMBINATIONS.....	10,111	1,581.78	12,126	1,556.82	13,352	1,459.88	13,730	1,416.26	49,319	1,496.46
ALL TRUCKS.....	11,378	1,435.45	13,787	1,400.66	22,601	899.15	23,693	863.00	71,459	1,069.31
ALL VEHICLE TYPES.....	11,382	1,435.12	13,793	1,400.37	22,647	897.73	23,879	857.26	71,701	1,066.25

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE

TABLE 10. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY SEASON AND FUNCTIONAL CLASSIFICATION.

URBAN OTHER PRINCIPAL ARTERIAL

HPMS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED
BUSES.....	331	295.13	350	270.61	72	963.67	128	402.53	891	355.53
SINGLE UNIT - 2 AXLE, 4 TIRE.....	11,703	1.30	12,812	1.24	5,105	1.59	4,071	1.11	33,691	1.30
SINGLE UNIT - 2 AXLE, 6 TIRE.....	2,555	104.81	3,171	124.30	1,932	123.53	1,850	112.26	9,516	116.56
SINGLE UNIT - 3 AXLE OR MORE.....	1,499	595.58	1,196	1,077.70	632	869.32	567	1,148.19	3,894	868.55
ALL SINGLE UNIT TRUCKS.....	15,757	74.62	17,179	98.90	7,669	103.82	6,496	133.02	47,101	96.28
COMBINATION - 3 AXLE	172	344.10	236	281.25	134	363.51	146	338.52	688	325.14
COMBINATION - 4 AXLE	730	1,391.87	890	1,894.73	497	1,561.27	615	914.56	2,732	1,479.06
COMBINATION - 4 AXLE OTHER.....	30	208.03	40	151.25	34	198.23	28	175.99	132	181.69
COMBINATION - 5 AXLE	2,752	2,011.38	3,755	2,284.37	2,462	2,478.17	1,637	1,625.77	10,610	2,156.92
COMBINATION - 5 AXLE OTHER.....	105	1,771.23	185	1,584.77	156	1,785.44	88	1,467.34	534	1,648.91
COMBINATION - 6 AXLE OR MORE.....	54	3,489.50	63	2,159.95	45	1,638.90	51	2,330.22	213	2,427.92
ALL COMBINATIONS.....	3,843	1,817.58	5,173	2,082.92	3,328	2,183.00	2,565	1,374.72	14,909	1,916.36
ALL TRUCKS.....	19,600	416.36	22,352	558.07	10,997	734.85	9,061	484.53	62,010	533.88
ALL VEHICLE TYPES.....	19,931	414.35	22,702	553.63	11,069	736.34	9,189	483.38	62,891	531.39

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE

TABLE 14. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY SEASON AND FUNCTIONAL CLASSIFICATION.

URBAN MINOR ARTERIAL & COLLECTOR

MPS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED
BUSES.....	2	670.30	18	553.72	7	453.07	13	470.48	40	515.88
SINGLE UNIT - 2 AXLE, 4 TYRE.....	1	1.52	13	3.11	96	1.37	59	1.67	169	1.61
SINGLE UNIT - 2 AXLE, 6 TYRE.....	519	84.48	675	99.83	889	111.73	633	102.94	2,516	100.71
SINGLE UNIT - 3 AXLE OR MORE.....	200	322.52	300	569.55	382	489.97	272	887.39	1,154	575.31
ALL SINGLE UNIT TRUCKS.....	720	150.49	988	241.18	1,167	226.46	964	318.08	3,839	239.81
COMBINATION - 3 AXLE	86	141.48	112	211.70	110	206.81	42	247.19	350	197.17
COMBINATION - 4 AXLE	48	421.95	67	504.46	70	388.35	48	518.38	228	451.79
COMBINATION - 4 AXLE OTHER.....	14	100.02	28	181.21	27	280.99	30	285.42	99	204.20
COMBINATION - 5 AXLE	517	955.75	682	884.47	779	1,136.96	306	1,257.95	2,284	1,039.02
COMBINATION - 5 AXLE OTHER.....	134	1,004.99	231	603.69	168	1,305.28	144	1,655.47	647	1,056.44
COMBINATION - 6 AXLE OR MORE.....	13	594.81	20	631.03	20	376.36	7	518.75	68	525.19
ALL COMBINATIONS.....	812	831.91	1,140	718.64	1,174	996.61	539	1,139.61	3,665	894.69
ALL TRUCKS.....	1,532	511.66	2,128	496.96	2,343	612.69	1,503	612.69	7,504	559.25
ALL VEHICLE TYPES.....	1,534	511.90	2,146	497.44	2,348	612.21	1,516	611.48	7,544	559.02

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE

TABLE 14. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY SEASON AND FUNCTIONAL CLASSIFICATION

ALL URBAN

HPMS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED
BUSES.....	337	299.67	374	291.63	125	654.68	327	247.90	1,163	320.75
SINGLE UNIT - 2 AXLE, 4 TIRE.....	11,713	1.30	12,839	1.24	11,404	1.25	10,773	1.01	46,729	1.21
SINGLE UNIT - 2 AXLE, 5 TIRE.....	3,897	111.55	4,922	121.29	4,894	112.60	4,936	107.37	18,649	113.29
SINGLE UNIT - 3 AXLE OR MORE.....	2,134	549.84	2,067	850.10	1,787	744.08	1,714	951.93	7,702	764.97
ALL SINGLE UNIT TRUCKS.....	17,744	91.49	19,828	119.53	18,085	104.78	17,423	124.69	73,080	110.30
COMBINATION - 3 AXLE	501	315.53	704	319.30	632	305.42	611	314.65	2,448	313.78
COMBINATION - 4 AXLE	1,302	1,007.69	1,607	1,263.00	1,807	1,192.40	2,158	988.26	6,874	1,109.83
COMBINATION - 4 AXLE OTHER.....	114	219.80	185	176.10	180	167.52	194	211.53	673	191.42
COMBINATION - 5 AXLE	11,464	1,667.04	14,068	1,765.08	13,527	1,630.08	12,541	1,448.44	51,600	1,630.95
COMBINATION - 5 AXLE OTHER.....	1,125	2,062.09	1,576	1,829.45	1,355	2,166.58	1,000	2,477.44	5,056	2,099.73
COMBINATION - 6 AXLE OR MORE.....	260	2,799.58	299	1,574.59	353	1,638.46	330	1,749.69	1,242	1,895.70
ALL COMBINATIONS.....	14,766	1,601.91	18,439	1,652.60	17,854	1,565.03	16,834	1,401.07	67,893	1,556.18
ALL TRUCKS.....	32,510	777.52	38,267	858.24	35,939	830.21	34,257	751.91	140,973	806.54
ALL VEHICLE TYPES.....	32,847	772.62	38,641	852.76	36,064	829.61	34,584	747.14	142,136	802.67

1/ P = 2.5 AND D = 9  
 ~ DATA NOT AVAILABLE

TABLE 1A. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY SEASON AND FUNCTIONAL CLASSIFICATION.

HPS VEHICLE CATEGORY	WINTER		SPRINGS		SUMMER		AUTUMN		ALL SEASONS	
	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED	VEHICLES IN SAMPLE	18-KIP EAL PER 1000 VEHICLES WEIGHED
	BUSES.....	701	362.60	926	472.18	474	475.00	691	352.75	2,792
SINGLE UNIT - 2 AXLE, 4 TIRE.....	18,999	1.50	21,032	1.49	19,686	1.40	15,502	1.18	75,219	1.40
SINGLE UNIT - 2 AXLE, 6 TIRE.....	8,607	118.33	9,600	122.81	9,410	114.99	8,645	111.99	36,262	116.93
SINGLE UNIT - 3 AXLE OR MORE.....	3,175	579.83	2,964	799.91	2,648	704.35	2,642	829.41	11,429	721.45
ALL SINGLE UNIT TRUCKS.....	30,781	93.82	33,596	105.37	31,744	93.71	26,789	118.62	122,910	102.63
COMBINATION - 3 AXLE	944	349.94	1,334	363.92	1,028	345.54	1,012	351.97	4,318	353.69
COMBINATION - 4 AXLE	4,031	836.21	3,798	991.31	3,893	1,013.18	3,773	891.50	15,495	932.15
COMBINATION - 4 AXLE OTHER.....	245	202.97	340	202.14	349	185.21	372	248.39	1,306	210.95
COMBINATION - 5 AXLE	30,039	1,592.90	33,111	1,743.64	28,289	1,585.25	28,424	1,512.34	119,863	1,613.63
COMBINATION - 5 AXLE OTHER.....	2,293	2,364.71	2,936	2,134.79	2,556	2,436.13	2,727	2,408.17	10,512	2,329.13
COMBINATION - 6 AXLE OR MORE.....	565	2,344.57	752	1,751.38	782	1,745.01	780	1,664.84	2,879	1,842.62
ALL COMBINATIONS.....	38,117	1,530.73	42,271	1,647.41	36,897	1,533.44	37,088	1,473.92	154,373	1,551.11
ALL TRUCKS.....	68,898	888.77	75,867	965.00	68,641	870.84	63,877	905.53	277,283	909.05
ALL VEHICLE TYPES.....	69,599	883.47	76,793	959.05	69,115	868.13	64,568	899.61	280,075	904.13

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE.

TABLE 15. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY SEASON, FUNCTIONAL CLASSIFICATION AND WEEKDAY / WEEKEND

RURAL INTERSTATE

HPMS VEHICLE CATEGORY	18-KIP EAL PER 1000 VEHICLES WEIGHED											
	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS			
	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND		
BUSES.....	335.72	324.58	454.01	629.81	318.90	305.79	363.87	282.25	369.94	475.26		
SINGLE UNIT - 2 AXLE, 4 TIRE.....	1.13	1.10	1.53	1.51	1.19	1.14	1.10	1.07	1.26	1.21		
SINGLE UNIT - 2 AXLE, 6 TIRE.....	120.00	78.93	126.85	82.74	113.09	68.64	113.44	98.91	118.35	82.02		
SINGLE UNIT - 3 AXLE OR MORE.....	469.64	201.73	595.15	389.68	465.86	359.96	397.78	378.74	481.76	338.36		
ALL SINGLE UNIT TRUCKS.....	79.80	23.50	78.05	36.04	64.71	20.76	83.99	46.09	75.25	30.58		
COMBINATION - 3 AXLE	432.59	496.88	462.83	452.71	450.62	377.80	438.54	392.65	447.28	432.08		
COMBINATION - 4 AXLE	685.50	742.10	626.49	654.79	678.55	717.62	627.44	643.93	657.37	687.34		
COMBINATION - 4 AXLE OTHER.....	139.94	297.82	207.63	168.96	177.70	166.38	272.73	156.40	202.11	186.86		
COMBINATION - 5 AXLE	903.79	1,093.47	1,011.60	1,116.92	921.77	1,107.84	938.21	1,008.91	943.79	1,081.29		
COMBINATION - 5 AXLE OTHER.....	2,272.46	3,874.24	2,058.57	2,838.27	2,312.54	3,539.22	2,212.80	2,093.10	2,218.12	2,872.66		
COMBINATION - 6 AXLE OR MORE.....	1,728.49	1,567.46	1,460.56	2,030.79	1,607.08	2,033.16	1,374.64	1,791.56	1,528.10	1,934.60		
ALL COMBINATIONS.....	971.73	1,179.14	1,039.38	1,204.56	1,001.21	1,261.35	1,041.83	1,083.78	1,012.46	1,176.64		
ALL TRUCKS.....	714.00	834.17	732.74	835.35	643.74	734.41	812.90	818.75	723.16	824.03		
ALL VEHICLE TYPES.....	711.03	929.95	729.70	878.10	644.90	727.67	809.07	813.71	719.71	818.38		

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE



TABLE 15. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY SEASON, FUNCTIONAL CLASSIFICATION AND WEEKDAY / WEEKEND

RURAL OTHER PRINCIPAL ARTERIAL

HPMS VEHICLE CATEGORY	18-KIP EAL PER 1000 VEHICLES WEIGHED											
	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS			
	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND		
BUSES.....	404.76	469.84	405.72	600.32	372.72	1,549.93	381.84	602.39	394.58	656.68		
SINGLE UNIT - 2 AXLE, 4 TIRE.....	2.52	2.45	2.11	2.10	2.14	2.33	1.21	2.00	2.20	2.23		
SINGLE UNIT - 2 AXLE, 6 TIRE.....	132.51	121.20	147.03	130.52	143.09	89.29	156.94	71.58	143.84	106.36		
SINGLE UNIT - 3 AXLE OR MORE.....	443.04	354.65	442.14	430.62	450.30	174.85	437.72	152.62	443.20	284.85		
ALL SINGLE UNIT TRUCKS.....	93.42	56.95	87.25	31.71	95.54	28.51	117.31	22.40	96.38	36.83		
COMBINATION - 3 AXLE	354.99	355.69	401.36	660.07	403.08	540.29	432.34	653.00	398.37	539.42		
COMBINATION - 4 AXLE	556.56	476.27	730.31	903.58	746.21	896.08	679.35	598.53	664.61	633.63		
COMBINATION - 4 AXLE OTHER.....	195.31	82.68	244.22	53.61	203.66	168.61	347.48	98.36	252.17	127.24		
COMBINATION - 5 AXLE	822.86	881.71	964.89	1,276.88	819.15	758.03	814.64	889.84	865.20	932.98		
COMBINATION - 5 AXLE OTHER.....	1,851.64	2,392.08	2,132.34	2,307.30	1,933.85	3,051.03	2,037.59	4,270.06	2,009.17	2,951.05		
COMBINATION - 6 AXLE OR MORE.....	818.32	1,440.13	1,416.33	532.43	1,253.85	689.10	1,082.95	879.75	1,154.84	848.26		
ALL COMBINATIONS.....	776.10	804.88	949.89	1,227.15	834.05	784.06	843.72	894.87	856.31	904.02		
ALL TRUCKS.....	465.75	348.04	571.29	403.48	499.55	331.51	541.02	367.38	520.38	361.79		
ALL VEHICLE TYPES.....	464.80	349.56	569.08	407.83	498.71	338.49	537.35	371.94	518.57	365.45		

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE

TABLE 15. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY SEASON, FUNCTIONAL CLASSIFICATION AND WEEKDAY / WEEKEND

RURAL MINOR ARTERIAL & COLLECTOR

HPMS VEHICLE CATEGORY	18-KIP EAL PER 1000 VEHICLES WEIGHED											
	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS			
	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND
BUSES.....	64.08	-	-	-	-	311.80	56.13	-	-	59.31	311.80	311.80
SINGLE UNIT - 2 AXLE, 4 TIRE.....	3.10	-	4.08	-	1.65	2.69	2.26	-	-	2.28	2.59	2.59
SINGLE UNIT - 2 AXLE, 6 TIRE.....	178.27	157.94	103.66	133.39	157.86	155.42	111.08	98.21	98.21	135.84	135.42	135.42
SINGLE UNIT - 3 AXLE OR MORE.....	492.48	187.54	331.97	103.39	248.21	523.38	495.74	508.40	508.40	407.37	319.47	319.47
ALL SINGLE UNIT TRUCKS.....	240.75	161.25	151.53	126.92	161.08	217.90	190.33	185.08	185.08	186.57	168.71	168.71
COMBINATION - 3 AXLE	350.74	330.50	274.88	238.81	298.17	75.11	299.43	62.59	62.59	300.32	201.65	201.65
COMBINATION - 4 AXLE	467.31	248.13	305.90	628.50	408.19	747.26	417.11	13.97	13.97	396.85	583.80	583.80
COMBINATION - 4 AXLE OTHER.....	91.84	124.08	155.58	41.29	42.51	11.14	77.03	-	-	92.33	54.45	54.45
COMBINATION - 5 AXLE	961.62	306.08	903.55	852.11	760.47	814.84	969.84	1,365.52	1,365.52	907.43	984.13	984.13
COMBINATION - 5 AXLE OTHER.....	1,817.58	2,394.60	2,237.48	2,193.37	2,391.97	1,749.54	1,912.10	-	-	2,091.69	2,126.47	2,126.47
COMBINATION - 6 AXLE OR MORE.....	1,158.31	190.39	1,299.05	-	1,486.05	-	1,439.38	1,846.70	1,846.70	1,348.60	1,018.54	1,018.54
ALL COMBINATIONS...	936.81	966.37	953.05	881.72	857.55	857.55	989.19	1,301.14	1,301.14	932.63	976.53	976.53
ALL TRUCKS.....	597.08	582.72	540.15	485.54	463.29	482.10	509.87	618.66	618.66	531.51	535.79	535.79
ALL VEHICLE TYPES...	596.19	582.72	540.15	485.54	468.29	478.48	508.76	618.66	618.66	530.98	534.75	534.75

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE

TABLE 15. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY SEASON, FUNCTIONAL CLASSIFICATION AND WEEKDAY / WEEKEND

ALL RURAL

HPMS VEHICLE CATEGORY	18-KIP EAL PER 1000 VEHICLES WEIGHED											
	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS			
	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND		
BUSES.....	368.00	378.85	434.02	627.14	329.17	427.69	370.22	399.01	378.81	507.98		
SINGLE UNIT - 2 AXLE, 4 TIRE.....	1.71	1.66	1.77	1.75	1.48	1.49	1.44	1.45	1.62	1.53		
SINGLE UNIT - 2 AXLE, 6 TIRE.....	131.90	105.44	132.57	100.64	127.65	83.11	128.46	90.23	130.25	95.53		
SINGLE UNIT - 3 AXLE OR MORE.....	461.88	289.39	490.26	322.91	434.72	326.65	432.56	334.75	455.22	316.66		
ALL SINGLE UNIT TRUCKS.....	94.76	41.25	85.88	37.82	79.36	28.14	108.09	41.81	90.42	36.99		
COMBINATION - 3 AXLE	399.32	458.39	425.66	464.71	427.97	405.69	425.30	409.35	419.61	437.68		
COMBINATION - 4 AXLE	621.83	609.90	61.72	700.37	656.16	768.93	639.77	629.70	653.85	667.71		
COMBINATION - 4 AXLE OTHER.....	146.21	269.69	213.11	146.99	179.64	158.92	273.43	143.13	206.75	167.99		
COMBINATION - 5 AXLE	885.78	1,058.44	994.64	1,026.90	891.60	1,043.42	909.32	998.02	922.17	1,060.41		
COMBINATION - 5 AXLE OTHER.....	2,201.31	3,711.59	2,092.73	2,801.77	2,258.79	3,448.10	2,178.04	2,814.82	2,181.48	2,856.91		
COMBINATION - 6 AXLE OR MORE.....	1,552.32	1,602.89	1,440.99	1,959.44	1,557.90	1,908.92	1,330.43	1,761.78	1,461.26	1,855.25		
ALL COMBINATIONS...	918.23	1,109.62	1,008.94	1,200.60	953.55	1,171.09	992.28	1,062.33	967.64	1,135.86		
ALL TRUCKS.....	630.22	694.53	568.69	784.16	599.91	635.47	718.54	719.35	651.88	713.08		
ALL VEHICLE TYPES...	627.58	691.60	566.03	780.29	597.26	632.66	714.23	715.72	648.92	709.98		

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE

TABLE 15. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY SEASON, FUNCTIONAL CLASSIFICATION AND WEEKDAY / WEEKEND

URBAN INTERSTATE & OTHER F & E

18-KIP EAL PER 1000 VEHICLES WEIGHED

HPMS VEHICLE CATEGORY	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS	
	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND
	BUSES.....	417.20	273.20	648.04	348.10	153.62	244.41	101.25	148.92	126.88
SINGLE UNIT - 2 AXLE, 4 TIRE.....	3.16	2.81	3.02	2.81	.84	.90	.82	.88	.83	.89
SINGLE UNIT - 2 AXLE, 5 TIRE.....	155.55	151.10	131.89	124.03	102.75	90.34	112.63	74.84	120.25	96.21
SINGLE UNIT - 3 AXLE OR MORE.....	350.88	258.84	374.34	204.19	537.24	150.17	579.75	223.16	486.41	204.04
ALL SINGLE UNIT TRUCKS.....	222.24	181.08	217.23	141.97	89.78	22.82	90.79	18.08	105.43	30.91
COMBINATION - 3 AXLE	359.26	498.14	391.70	379.80	329.49	322.76	319.13	384.00	347.49	376.08
COMBINATION - 4 AXLE	456.89	516.74	431.02	453.59	842.54	595.85	800.44	561.18	710.90	540.30
COMBINATION - 4 AXLE OTHER.....	174.71	254.52	153.94	214.11	127.12	102.87	197.13	188.05	162.80	183.59
COMBINATION - 5 AXLE	928.26	1,083.32	941.75	1,089.09	850.29	995.48	788.82	1,109.21	872.19	1,071.65
COMBINATION - 5 AXLE OTHER.....	2,155.98	1,823.86	1,763.90	1,813.05	2,163.42	2,060.30	2,462.63	2,211.61	2,161.36	1,973.36
COMBINATION - 6 AXLE OR MORE.....	2,481.75	1,690.33	1,363.68	1,234.55	1,319.80	1,968.87	1,384.68	1,120.68	1,590.41	1,573.99
ALL COMBINATIONS...	1,013.14	1,140.29	933.43	1,114.53	927.61	1,399.40	871.94	1,136.59	945.39	1,122.03
ALL TRUCKS.....	918.48	1,070.99	889.03	1,052.96	586.30	618.11	547.81	640.18	685.63	781.28
ALL VEHICLE TYPES...	918.31	1,070.60	888.92	1,032.70	587.54	616.86	543.90	638.36	683.62	779.55

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE

TABLE 15. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY SEASON, FUNCTIONAL CLASSIFICATION AND WEEKDAY / WEEKEND

URBAN OTHER PRINCIPAL ARTERIAL

HPMS VEHICLE CATEGORY	18-KIP EAL PER 1000 VEHICLES WEIGHED											
	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS			
	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND		
BUSES.....	285.12	212.55	267.30	271.00	988.23	543.87	382.56	513.64	344.75	335.48		
SINGLE UNIT - 2 AXLE, 4 TIRE.....	1.22	1.17	1.17	1.12	1.50	1.41	1.06	.96	1.22	1.16		
SINGLE UNIT - 2 AXLE, 6 TIRE.....	107.23	110.06	130.38	100.79	131.81	77.56	119.78	64.15	122.37	91.34		
SINGLE UNIT - 3 AXLE OR MORE.....	428.59	316.79	728.55	698.11	597.63	317.73	777.86	173.75	601.80	388.64		
ALL SINGLE UNIT TRUCKS.....	63.24	30.96	84.64	28.22	92.02	24.86	112.07	17.70	82.49	27.21		
COMBINATION - 3 AXLE	363.32	201.96	295.91	248.47	376.98	385.26	358.65	405.64	340.03	297.18		
COMBINATION - 4 AXLE	1,026.79	1,163.98	1,339.91	1,633.07	1,134.97	1,406.47	740.51	426.56	1,088.70	1,124.28		
COMBINATION - 4 AXLE OTHER.....	183.32	11.06	127.92	79.96	199.48	54.58	162.09	28.69	163.94	50.18		
COMBINATION - 5 AXLE	1,151.55	1,367.95	1,277.82	1,702.57	1,363.28	1,872.68	911.61	1,297.19	1,207.16	1,611.33		
COMBINATION - 5 AXLE OTHER.....	1,544.35	766.55	1,383.85	301.92	1,538.80	46.62	1,112.08	2,750.87	1,417.66	1,010.44		
COMBINATION - 6 AXLE OR MORE.....	2,158.30	2,618.63	1,330.04	14,205.30	1,177.49	2,093.01	1,273.31	2,239.27	1,509.29	2,871.24		
ALL COMBINATIONS.....	1,106.65	1,316.58	1,236.56	1,663.43	1,282.59	1,725.18	898.56	1,112.71	1,144.96	1,499.60		
ALL TRUCKS.....	278.82	207.33	366.78	286.36	462.65	465.51	323.21	283.44	349.20	295.65		
ALL VEHICLE TYPES.....	278.93	207.37	365.09	286.26	465.12	465.98	324.10	285.37	349.14	295.93		

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE

TABLE 15. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY SEASON, FUNCTIONAL CLASSIFICATION AND WEEKDAY / WEEKEND

URBAN MINOR ARTERIAL & COLLECTOR

HPMS VEHICLE CATEGORY	18-KIP EAL PER 1000 VEHICLES WEIGHED											
	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS			
	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND		
BUSES.....	754.10	679.20	557.55	291.32	392.03	361.00	216.84	959.90	425.50	558.12		
SINGLE UNIT - 2 AXLE, 4 TIRE.....	1.44	-	3.09	2.81	1.49	.83	2.39	.93	1.89	.92		
SINGLE UNIT - 2 AXLE, 6 TIRE.....	90.90	18.64	112.11	56.71	116.65	92.51	116.20	48.45	109.65	58.33		
SINGLE UNIT - 3 AXLE OR MORE.....	225.13	-	388.60	252.97	380.13	324.47	539.37	848.93	371.61	667.81		
ALL SINGLE UNIT TRUCKS.....	123.02	18.64	200.34	85.03	185.26	90.16	229.01	286.66	187.87	174.22		
COMBINATION - 3 AXLE	148.31	-	211.71	406.41	217.49	211.67	276.71	42.72	204.95	238.88		
COMBINATION - 4 AXLE	373.79	-	440.19	197.85	353.90	-	456.39	359.69	400.97	294.95		
COMBINATION - 4 AXLE OTHER.....	80.31	43.27	158.68	-	181.86	319.87	184.25	63.45	160.35	112.71		
COMBINATION - 5 AXLE	582.81	1,182.23	538.70	562.81	687.02	228.69	762.79	619.92	629.73	645.13		
COMBINATION - 5 AXLE OTHER.....	867.62	-	539.56	175.19	1,102.01	-	1,396.89	435.25	904.21	305.22		
COMBINATION - 6 AXLE OR MORE.....	460.35	-	549.34	35.66	285.10	-	498.55	-	435.15	35.66		
ALL COMBINATIONS.....	561.30	954.44	422.26	436.24	667.40	247.45	812.83	377.88	609.88	430.27		
ALL TRUCKS.....	360.20	222.07	369.41	138.85	435.15	101.87	459.74	298.82	403.91	207.88		
ALL VEHICLE TYPES.....	360.46	241.12	365.66	144.22	435.05	107.27	458.06	311.18	404.00	216.71		

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE

TABLE 15. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY SEASON, FUNCTIONAL CLASSIFICATION AND WEEKDAY / WEEKEND

ALL URBAN

HPS VEHICLE CATEGORY	18-KIP EAL PER 100 VEHICLES WEIGHED											
	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS		WEEKDAY	WEEKEND
	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND		
BUSES.....	287.89	234.52	283.80	276.96	685.29	375.05	216.35	375.67	303.54	319.34		
SINGLE UNIT - 2 AXLE, 4 TIRE.....	1.22	1.17	1.18	1.12	1.14	1.11	.92	.90	1.12	1.07		
SINGLE UNIT - 2 AXLE, 6 TIRE.....	114.77	117.08	128.32	98.23	119.62	86.01	115.85	67.41	119.91	89.52		
SINGLE UNIT - 3 AXLE OR MORE.....	391.78	304.56	581.63	491.11	514.35	230.20	640.93	443.61	527.16	365.84		
ALL SINGLE UNIT TRUCKS.....	78.24	38.91	102.59	36.38	93.29	25.43	106.63	33.28	95.24	33.23		
COMBINATION - 3 AXLE	322.41	432.32	328.05	350.93	318.71	325.99	324.35	367.09	323.59	360.01		
COMBINATION - 4 AXLE	778.30	834.51	949.62	945.49	899.43	867.59	777.38	508.34	849.92	770.58		
COMBINATION - 4 AXLE OTHER.....	163.85	235.66	148.81	199.21	149.14	101.62	189.47	155.11	162.64	160.35		
COMBINATION - 5 AXLE	966.37	1,132.33	1,014.99	1,194.15	932.96	1,151.77	805.24	1,123.28	931.93	1,152.75		
COMBINATION - 5 AXLE OTHER.....	1,896.51	1,787.24	1,543.58	1,742.44	1,912.97	2,031.43	2,175.97	2,212.71	1,872.77	1,937.99		
COMBINATION - 6 AXLE OR MORE.....	2,297.59	1,859.11	1,937.86	1,588.34	1,925.10	1,974.27	1,346.60	1,973.95	1,510.51	1,712.45		
ALL COMBINATIONS	1,009.66	1,171.32	1,030.22	1,205.41	974.69	1,203.80	864.72	1,126.60	970.35	1,177.72		
ALL TRUCKS	500.99	555.24	547.59	612.78	538.25	564.29	481.91	552.13	518.56	572.26		
ALL VEHICLE TYPES	498.59	553.71	544.78	611.19	536.73	563.46	479.16	551.20	516.65	571.04		

W P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE

TABLE 15. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR FLEXIBLE PAVEMENT DESIGN/ BY SEASON, FUNCTIONAL CLASSIFICATION AND WEEKDAY / WEEKEND

HPMS VEHICLE CATEGORY	18-KIP EAL PER 1000 VEHICLES WEIGHED											
	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS			
	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND		
BUSES.....	326.35	343.86	357.47	585.28	427.48	415.75	291.14	392.63	342.98	471.60		
SINGLE UNIT - 2 AXLE, 4 TIRE.....	1.39	1.42	1.40	1.41	1.28	1.29	1.06	1.13	1.30	1.32		
SINGLE UNIT - 2 AXLE, 6 TIRE.....	123.78	109.11	130.30	99.73	123.41	84.48	121.05	79.59	124.76	93.08		
SINGLE UNIT - 3 AXLE OR MORE.....	414.05	298.29	554.93	419.44	489.01	269.75	570.65	392.65	504.46	344.69		
ALL SINGLE UNIT TRUCKS.....	84.82	40.15	96.07	37.09	87.50	26.75	107.11	37.02	93.39	35.07		
COMBINATION - 3 AXLE	357.32	449.13	373.12	420.57	360.47	358.53	363.27	387.47	364.33	400.25		
COMBINATION - 4 AXLE 2S2.....	673.79	669.95	786.51	787.06	790.47	814.77	720.57	572.76	742.61	706.99		
COMBINATION - 4 AXLE OTHER.....	154.11	251.13	175.17	163.48	163.83	129.90	230.03	149.60	183.65	164.33		
COMBINATION - 5 AXLE 3S2.....	918.12	1,080.83	1,003.70	1,150.63	911.90	1,088.98	860.86	1,042.86	926.56	1,093.27		
COMBINATION - 5 AXLE OTHER.....	2,057.05	2,611.28	1,840.20	2,348.04	2,072.64	2,622.94	2,177.28	2,172.22	2,032.71	2,418.65		
COMBINATION - 6 AXLE OR MORE.....	1,898.99	1,712.70	1,382.15	1,870.02	1,399.26	1,932.91	1,337.46	1,618.04	1,483.63	1,806.74		
ALL COMBINATIONS.....	955.11	1,129.29	1,018.67	1,202.67	963.98	1,185.43	931.52	1,086.09	968.88	1,151.27		
ALL TRUCKS.....	566.65	540.83	505.05	712.34	565.95	601.61	586.23	643.98	581.62	652.21		
ALL VEHICLE TYPES.....	564.08	638.59	602.33	710.26	566.07	599.90	582.90	641.81	579.28	650.28		

1/ P = 2.5 AND SN = 5  
- DATA NOT AVAILABLE.



TABLE 16. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY SEASON, FUNCTIONAL CLASSIFICATION AND WEEKDAY / WEEKEND

HPMS VEHICLE CATEGORY	18-KIP EAL PER 100 VEHICLES WEIGHED											
	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS			
	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND		
BUSES.....	408.27	387.81	532.05	745.33	371.05	352.59	451.29	334.34	440.55	561.52		
SINGLE UNIT - 2 AXLE, 4 TIRE.....	1.26	1.26	1.66	1.64	1.31	1.28	1.21	1.20	1.38	1.35		
SINGLE UNIT - 2 AXLE, 6 TIRE.....	117.25	76.84	122.43	80.03	109.61	65.79	109.55	95.58	114.74	79.27		
SINGLE UNIT - 3 AXLE OR MORE.....	690.10	254.67	874.32	550.50	689.20	521.04	586.97	540.39	709.63	475.17		
ALL SINGLE UNIT TRUCKS.....	96.41	24.78	93.70	40.34	76.70	23.26	100.19	54.01	90.08	34.38		
COMBINATION - 3 AXLE	414.44	472.54	444.31	435.21	434.49	361.44	422.14	376.08	429.87	413.95		
COMBINATION - 4 AXLE	852.81	907.40	735.21	752.10	835.80	813.16	761.78	748.76	800.42	804.30		
OTHER.....	161.11	339.33	260.78	177.23	205.33	184.92	319.57	176.16	239.66	206.34		
COMBINATION - 5 AXLE	1,512.46	1,837.49	1,701.74	1,882.34	1,545.94	1,864.09	1,572.90	1,695.00	1,563.13	1,819.04		
COMBINATION - 5 AXLE OTHER.....	2,453.82	4,288.04	2,223.02	3,153.38	2,551.86	3,959.56	2,386.82	2,271.65	2,404.57	3,180.30		
COMBINATION - 6 AXLE OR MORE.....	2,140.02	2,113.75	1,715.54	2,210.28	1,756.27	2,152.50	1,562.04	1,912.22	1,768.60	2,109.30		
ALL COMBINATIONS.....	1,494.28	1,855.65	1,515.22	1,881.88	1,521.07	1,923.59	1,562.67	1,679.53	1,547.80	1,832.00		
ALL TRUCKS.....	1,090.36	1,316.13	1,430.58	1,378.81	977.45	1,116.43	1,213.12	1,264.37	1,097.84	1,278.92		
ALL VEHICLE TYPES.....	1,084.99	1,308.45	1,4124.06	1,360.86	970.41	1,104.42	1,206.62	1,255.63	1,091.42	1,267.31		

RURAL INTERSTATE

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE

TABLE 16. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY SEASON, FUNCTIONAL CLASSIFICATION AND WEEKDAY / WEEKEND

RURAL OTHER PRINCIPAL ARTERIAL

HPMS VEHICLE CATEGORY	18-KIP EAL PER 1000 VEHICLES WEIGHED											
	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS			
	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND		
BUSES.....	431.75	511.11	449.84	661.92	453.53	1,524.63	438.91	702.42	441.40	726.66		
SINGLE UNIT - 2 AXLE, 4 TIRE.....	2.61	2.57	2.20	2.19	2.20	2.48	2.00	2.12	2.29	2.34		
SINGLE UNIT - 2 AXLE, 6 TIRE.....	128.52	117.23	142.24	128.76	139.00	85.49	153.01	68.96	139.61	103.16		
SINGLE UNIT - 3 AXLE OR MORE.....	659.73	473.70	541.35	691.55	669.78	228.12	643.91	205.48	653.60	390.80		
ALL SINGLE UNIT TRUCKS.....	111.17	53.02	100.44	34.88	113.88	29.30	140.10	23.95	113.80	40.03		
COMBINATION - 3 AXLE	340.43	336.35	384.64	667.41	388.21	524.13	421.47	629.40	383.67	527.52		
COMBINATION - 4 AXLE	662.26	539.15	884.92	1,081.30	909.99	1,087.14	807.30	639.36	799.90	731.77		
COMBINATION - 4 AXLE OTHER.....	215.74	84.00	289.41	66.97	238.46	204.98	396.24	115.20	291.34	152.76		
COMBINATION - 5 AXLE	1,369.38	1,454.08	1,615.84	2,158.72	1,355.01	1,252.27	1,359.15	1,482.95	1,444.13	1,556.72		
COMBINATION - 5 AXLE OTHER.....	2,122.32	2,615.97	2,473.67	2,595.46	2,238.88	3,443.00	2,337.79	4,696.78	2,317.83	3,329.60		
COMBINATION - 6 AXLE OR MORE.....	1,125.40	2,073.00	2,072.70	601.38	1,699.17	895.15	1,313.13	837.98	1,568.32	1,092.57		
ALL COMBINATIONS.....	1,201.03	1,261.39	1,486.58	1,982.44	1,283.88	1,220.75	1,295.02	1,409.41	1,326.64	1,428.12		
ALL TRUCKS.....	705.57	529.41	878.23	640.55	753.95	507.11	813.76	571.77	790.51	560.20		
ALL VEHICLE TYPES.....	701.30	529.18	872.50	640.81	751.96	513.51	805.12	574.30	785.48	562.26		

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE

TABLE 16. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY SEASON, FUNCTIONAL CLASSIFICATION AND WEEKDAY / WEEKEND

RURAL MINOR ARTERIAL & COLLECTOR

HPHS VEHICLE CATEGORY	18-KIP EAL PER 1000 VEHICLES WEIGHED											
	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS		WEEKDAY	WEEKEND
	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND		
BUSES.....	60.38	-	-	-	-	-	52.86	-	55.87	361.63	-	361.63
SINGLE UNIT - 2 AXLE, 4 TIRE.....	3.15	-	4.14	-	1.70	2.74	2.33	-	2.34	2.74	-	2.74
SINGLE UNIT - 2 AXLE, 6 TIRE.....	172.94	154.42	99.78	129.15	159.29	152.22	107.20	93.56	132.78	152.22	93.56	131.48
SINGLE UNIT - 3 AXLE OR MORE.....	723.03	203.67	450.35	137.85	312.49	771.51	677.10	616.80	562.98	771.51	616.80	421.01
ALL SINGLE UNIT TRUCKS.....	284.23	159.97	174.38	131.03	172.94	261.36	225.93	204.79	215.73	261.36	204.79	184.52
COMBINATION - 3 AXLE	340.50	309.20	263.00	245.61	283.26	70.89	239.85	59.35	289.00	70.89	59.35	190.65
COMBINATION - 4 AXLE	566.61	336.29	359.62	775.35	474.39	1,014.57	502.89	19.71	471.74	1,014.57	19.71	776.46
COMBINATION - 4 AXLE OTHER.....	113.20	122.25	149.82	45.75	46.47	16.91	110.57	-	113.47	16.91	-	57.66
COMBINATION - 5 AXLE	1,615.77	1,505.91	1,512.22	1,429.32	1,266.76	1,466.12	1,636.14	2,339.63	1,522.48	1,466.12	2,339.63	1,658.66
COMBINATION - 5 AXLE OTHER.....	2,133.91	2,356.16	2,602.62	2,563.18	2,807.23	2,108.62	2,294.61	-	2,445.28	2,108.62	-	2,559.35
COMBINATION - 6 AXLE OR MORE.....	1,391.13	215.88	1,551.14	-	1,843.82	-	1,939.97	1,906.70	1,668.48	-	1,906.70	1,061.29
ALL COMBINATIONS	1,461.32	1,070.59	1,419.77	1,351.29	1,263.43	1,443.81	1,534.08	2,204.20	1,425.59	1,443.81	2,204.20	1,518.76
ALL TRUCKS.....	892.05	846.06	778.21	710.79	661.59	667.16	749.19	981.54	775.29	667.16	981.54	790.80
ALL VEHICLE TYPES.....	890.65	846.06	778.21	710.79	661.59	660.65	747.47	981.54	774.49	660.65	981.54	788.82

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE

TABLE 16. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY SEASON, FUNCTIONAL CLASSIFICATION AND WEEKDAY / WEEKEND

ALL RURAL

HPMS VEHICLE CATEGORY	18-KIP EAL PER 1000 VEHICLES WEIGHED											
	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS			
	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND		
BUSES.....	417.48	433.84	438.02	738.69	386.78	477.32	440.35	468.58	439.24	590.98		
SINGLE UNIT - 2 AXLE, 4 TIRE.....	1.82	1.80	1.89	1.87	1.59	1.63	1.55	1.58	1.73	1.72		
SINGLE UNIT - 2 AXLE, 6 TIRE.....	128.34	102.33	128.06	98.01	124.49	79.93	124.56	86.98	126.47	92.53		
SINGLE UNIT - 3 AXLE OR MORE.....	682.15	378.48	710.24	466.82	638.20	466.84	626.91	459.74	665.29	437.40		
ALL SINGLE UNIT TRUCKS.....	113.40	44.56	100.50	41.71	93.36	31.19	128.88	47.71	107.15	40.93		
COMBINATION - 3 AXLE	383.88	435.30	408.48	451.91	412.31	390.14	411.38	392.50	403.80	421.13		
COMBINATION - 4 AXLE	759.46	726.44	788.37	813.69	852.14	503.98	770.70	717.52	792.07	780.89		
COMBINATION - 4 AXLE OTHER.....	167.33	304.85	259.43	155.26	210.35	182.41	319.48	162.23	243.33	187.53		
COMBINATION - 5 AXLE	1,480.65	1,775.69	1,570.81	1,899.66	1,492.90	1,751.56	1,523.17	1,675.72	1,544.99	1,782.26		
3S2.....	2,399.31	4,133.66	2,293.03	3,126.87	2,513.69	3,374.06	2,376.79	2,533.83	2,393.16	3,170.26		
COMBINATION - 5 AXLE OR MORE.....	1,938.43	2,065.06	1,765.73	2,133.67	1,754.54	2,036.27	1,534.18	1,876.35	1,732.54	2,034.02		
ALL COMBINATIONS.....	1,415.03	1,752.58	1,569.99	1,881.18	1,452.36	1,789.31	1,497.07	1,951.21	1,484.05	1,771.32		
ALL TRUCKS.....	959.78	1,088.98	1,028.48	1,222.38	902.60	965.41	1,073.50	1,112.30	988.44	1,105.57		
ALL VEHICLE TYPES.....	954.31	1,082.89	1,022.46	1,219.48	897.55	958.81	1,065.65	1,104.99	982.48	1,097.80		

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE

TABLE 16. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY SEASON, FUNCTIONAL CLASSIFICATION AND WEEKDAY / WEEKEND

URBAN INTERSTATE & OTHER F & E

HPMS VEHICLE CATEGORY	18-KIP EAL PER 1000 VEHICLES WEIGHED											
	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS			
	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND		
BUSES.....	493.33	423.60	793.94	493.00	175.75	261.11	119.71	187.66	149.87	235.22		
SINGLE UNIT - 2 AXLE, 4 TIRE.....	3.22	2.90	3.07	2.90	.94	1.05	.91	1.05	.93	1.05		
SINGLE UNIT - 2 AXLE, 6 TIRE.....	150.09	145.78	126.91	118.59	105.53	87.55	109.49	72.43	116.48	93.57		
SINGLE UNIT - 3 AXLE OR MORE.....	511.03	363.25	539.96	266.16	814.62	224.32	878.20	337.30	727.91	293.06		
ALL SINGLE UNIT TRUCKS.....	275.58	207.36	273.13	152.23	105.70	24.89	120.88	20.90	137.35	34.51		
COMBINATION - 3 AXLE	345.73	474.96	380.53	364.57	314.92	304.33	304.66	372.02	333.94	359.82		
COMBINATION - 4 AXLE	517.85	573.35	470.73	506.66	1,134.05	728.88	1,070.03	652.49	924.07	629.71		
COMBINATION - 4 AXLE OTHER.....	206.31	340.44	177.71	219.07	141.18	105.09	224.33	206.17	186.11	210.66		
COMBINATION - 5 AXLE	1,547.84	1,808.35	1,570.20	1,817.72	1,423.86	1,663.59	1,320.57	1,860.27	1,957.40	1,791.68		
COMBINATION - 5 AXLE OTHER.....	2,374.22	1,934.50	2,160.99	1,908.56	2,423.69	2,202.16	2,079.11	2,430.86	2,405.58	2,112.40		
COMBINATION - 6 AXLE OR MORE.....	2,512.29	1,788.37	1,519.96	1,356.61	1,614.32	2,101.09	1,745.48	1,261.42	1,901.60	1,687.37		
ALL COMBINATIONS.....	1,545.87	1,739.53	1,510.08	1,732.80	1,423.41	1,632.55	1,334.62	1,776.12	1,644.51	1,721.11		
ALL TRUCKS.....	1,393.68	1,628.84	1,343.70	1,632.74	895.83	913.83	830.99	997.13	1,040.27	1,194.39		
ALL VEHICLE TYPES.....	1,393.40	1,628.25	1,343.45	1,632.32	894.58	911.65	824.76	994.13	1,037.07	1,192.05		

L/ P = 2.5 AND U = 9  
- DATA NOT AVAILABLE

TABLE 16. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY SEASON, FUNCTIONAL CLASSIFICATION AND WEEKDAY / WEEKEND

URBAN OTHER PRINCIPAL ARTERIAL

HPMS VEHICLE CATEGORY	18-KIP EAL PER 1000 VEHICLES WEIGHED											
	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS			
	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND
BUSES.....	299.49	233.95	269.26	288.89	1,024.68	625.38	392.65	505.43	355.22	360.57		
SINGLE UNIT - 2 AXLE, 4 TIRE.....	1.31	1.25	1.25	1.21	1.61	1.55	1.13	1.03	1.31	1.26		
SINGLE UNIT - 2 AXLE, 5 TIRE.....	104.47	107.93	126.78	97.52	129.75	75.56	116.74	61.64	119.41	88.84		
SINGLE UNIT - 3 AXLE OR MORE.....	613.86	439.35	1,081.49	1,021.13	903.49	443.36	1,216.53	247.70	896.73	552.78		
ALL SINGLE UNIT TRUCKS.....	81.68	38.32	111.70	36.30	119.87	29.02	153.11	20.38	108.75	33.70		
COMBINATION - 3 AXLE	349.72	188.65	283.15	233.28	363.49	363.78	337.89	384.02	326.92	279.75		
COMBINATION - 4 AXLE	1,368.58	1,595.35	1,865.90	2,217.41	1,496.87	1,967.59	975.07	537.24	1,472.56	1,531.51		
OTHER.....	215.45	16.88	154.96	80.92	258.59	72.54	191.84	43.89	197.82	64.74		
COMBINATION - 5 AXLE	1,967.61	2,353.71	2,194.57	2,941.22	2,338.04	3,245.95	1,540.48	2,218.24	2,065.86	2,781.01		
COMBINATION - 5 AXLE OTHER.....	1,779.60	882.23	1,548.70	334.71	1,831.06	51.73	1,288.41	3,537.83	1,670.90	1,251.50		
COMBINATION - 6 AXLE OR MORE.....	3,356.02	4,557.35	1,917.72	17,178.40	1,553.12	2,714.82	1,878.89	3,797.03	2,193.27	4,465.05		
ALL COMBINATIONS.....	1,774.50	2,180.29	2,001.35	2,772.75	2,062.16	2,910.56	1,312.14	1,821.75	1,839.07	2,499.83		
ALL TRUCKS.....	431.42	332.18	574.34	468.29	726.69	775.79	489.04	457.54	543.11	483.51		
ALL VEHICLE TYPES.....	429.02	331.46	569.36	467.06	723.66	774.89	487.61	457.94	540.24	482.44		

L/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE

TABLE 16. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY SEASON, FUNCTIONAL CLASSIFICATION AND WEEKDAY / WEEKEND

URBAN MINOR ARTERIAL & COLLECTOR

HPMS VEHICLE CATEGORY	18-KIP EAL PER 1000 VEHICLES WEIGHED											
	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS		WEEKEND	
	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND		
BUSES.....	725.00	655.60	612.63	400.54	414.62	549.20	243.21	981.85	462.54	640.34		
SINGLE UNIT - 2 AXLE, 4 TIRE.....	1.52	-	3.12	2.90	1.54	.88	2.43	.99	1.93	.98		
SINGLE UNIT - 2 AXLE, 6 TIRE.....	86.88	17.76	107.68	53.61	113.72	87.88	112.99	46.04	106.03	55.32		
SINGLE UNIT - 3 AXLE OR MORE.....	322.52	-	580.67	384.35	491.18	439.75	779.03	1,305.38	541.34	1,013.42		
ALL SINGLE UNIT TRUCKS.....	153.89	17.76	259.75	101.64	235.71	99.28	293.00	425.85	238.45	243.80		
COMBINATION - 3 AXLE	141.48	-	204.84	396.85	207.01	199.62	263.08	40.55	196.16	230.79		
COMBINATION - 4 AXLE	421.95	-	513.66	205.45	383.35	-	519.74	394.87	454.80	319.10		
COMBINATION - 4 AXLE OTHER.....	104.09	47.14	181.21	-	278.22	315.65	239.48	93.52	212.25	133.31		
COMBINATION - 5 AXLE	957.66	2,003.20	883.58	934.34	1,139.06	319.90	1,259.08	1,007.05	1,038.69	1,063.11		
COMBINATION - 5 AXLE OTHER.....	1,004.99	-	513.65	167.25	1,305.28	-	1,677.76	407.60	1,061.23	287.43		
COMBINATION - 6 AXLE OR MORE.....	594.81	-	622.10	40.65	376.36	-	518.75	-	533.41	40.65		
ALL COMBINATIONS	827.08	1,611.99	719.99	646.93	1,000.99	267.14	1,171.00	566.71	898.91	645.53		
ALL TRUCKS.....	513.91	364.33	518.42	185.22	633.64	111.78	639.99	444.63	576.56	296.63		
ALL VEHICLE TYPES.....	514.05	376.46	519.03	192.81	633.16	120.89	637.25	454.68	576.10	303.29		

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE

TABLE 16. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY SEASON, FUNCTIONAL CLASSIFICATION AND WEEKDAY / WEEKEND

HPS VEHICLE CATEGORY	18-KIP EAL PER 1000 VEHICLES WEIGHED											
	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS			
	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND		
BUSES.....	302.76	259.42	289.87	314.30	716.35	430.85	231.81	396.17	317.20	353.68		
SINGLE UNIT - 2 AXLE, 4 TIRE.....	1.31	1.25	1.25	1.21	1.25	1.26	1.01	1.04	1.21	1.19		
SINGLE UNIT - 2 AXLE, 6 TIRE.....	111.28	114.11	124.32	94.42	116.91	83.34	112.74	64.98	116.59	86.59		
SINGLE UNIT - 3 AXLE OR MORE.....	562.86	423.29	659.63	710.34	773.48	328.23	978.50	674.82	784.72	530.81		
ALL SINGLE UNIT TRUCKS.....	99.53	47.23	133.93	44.89	121.83	28.54	142.82	43.84	124.55	40.79		
COMBINATION - 3 AXLE	310.07	411.33	316.94	346.10	303.16	307.44	310.38	355.29	310.90	343.98		
COMBINATION - 4 AXLE	998.81	1,074.33	1,268.11	1,220.93	1,198.55	1,143.82	1,033.40	606.13	1,125.21	985.76		
COMBINATION - 4 AXLE OTHER.....	194.49	314.73	173.12	203.72	184.10	107.54	221.30	175.06	192.80	185.18		
COMBINATION - 5 AXLE	1,622.65	1,902.26	1,709.84	2,010.50	1,571.35	1,945.56	1,349.83	1,887.51	1,567.06	1,940.53		
3S2.....	2,104.47	1,898.06	1,828.51	1,834.73	2,165.35	2,171.33	2,484.60	2,449.19	2,104.44	2,079.38		
COMBINATION - 5 AXLE OTHER.....	2,873.40	2,291.82	1,552.24	1,719.25	1,517.57	2,127.77	1,733.26	1,835.52	1,877.71	1,992.30		
OR MORE.....	1,562.32	1,817.85	1,500.68	1,908.21	1,512.99	1,846.71	1,325.00	1,769.35	1,501.32	1,837.90		
ALL COMBINATIONS.....	763.46	854.56	937.55	962.84	824.14	859.98	728.04	862.70	790.53	887.18		
ALL TRUCKS.....	758.27	851.72	831.72	959.77	823.79	858.08	722.90	860.25	786.34	884.53		
ALL VEHICLE TYPES.....												

1/ P = 2.5 AND D = 9  
- DATA NOT AVAILABLE



TABLE 16. 18 KIP EQUIVALENT AXLE LOADS (EAL) FOR RIGID PAVEMENT DESIGN/ BY SEASON, FUNCTIONAL CLASSIFICATION AND WEEKDAY / WEEKEND

ALL FUNCTIONAL CLASSES COMBINED

HPMS VEHICLE CATEGORY	18-KIP EAL PER 1000 VEHICLES WEIGHED											
	WINTER		SPRING		SUMMER		AUTUMN		ALL SEASONS			
	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND	WEEKDAY	WEEKEND
BUSES.....	357.83	391.56	391.94	687.97	477.76	466.78	333.18	448.77	381.15	545.22		
SINGLE UNIT - 2 AXLE, 4 TIRE.....	1.49	1.52	1.49	1.51	1.39	1.44	1.15	1.26	1.39	1.44		
SINGLE UNIT - 2 AXLE, 5 TIRE.....	120.25	106.05	125.06	96.66	120.49	81.54	117.62	76.72	121.22	90.10		
SINGLE UNIT - 3 AXLE OR MORE.....	600.76	404.78	616.18	606.58	730.43	385.06	859.92	574.15	747.03	490.63		
ALL SINGLE UNIT TRUCKS.....	105.06	45.81	121.05	43.31	109.99	29.83	138.28	45.53	117.85	40.85		
COMBINATION - 3 AXLE	343.21	426.79	359.12	406.90	346.11	341.21	349.32	373.23	350.24	383.95		
COMBINATION - 4 AXLE	838.75	619.66	996.31	957.71	1,012.87	1,015.65	924.95	665.27	942.88	859.12		
COMBINATION - 4 AXLE OTHER.....	179.49	310.24	208.50	170.56	196.74	144.49	268.73	169.15	216.86	186.43		
COMBINATION - 5 AXLE	1,537.63	1,814.05	1,688.19	1,938.76	1,531.40	1,833.13	1,442.48	1,751.54	1,554.92	1,838.58		
COMBINATION - 5 AXLE OTHER.....	2,259.77	2,855.38	2,031.86	2,573.42	2,333.23	2,882.28	2,416.36	2,375.97	2,254.02	2,649.98		
COMBINATION - 6 AXLE OR MORE.....	2,373.34	2,152.24	1,571.37	2,033.81	1,642.20	2,069.85	1,620.75	1,861.22	1,798.48	2,019.85		
ALL COMBINATIONS.....	1,474.43	1,773.38	1,584.02	1,890.81	1,485.27	1,814.48	1,415.11	1,694.89	1,491.94	1,795.84		
ALL TRUCKS.....	863.20	998.60	928.14	1,113.61	860.66	915.25	880.33	999.79	884.14	1,011.17		
ALL VEHICLE TYPES.....	857.81	994.01	922.25	1,106.64	853.24	911.12	874.17	995.05	879.22	1,006.20		

1/ P = 2.5 AND D = 7  
- DATA NOT AVAILABLE.

TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: BUSES

DESIGN TYPE BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT			DESIGN TYPE BY SEASON			WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT						
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	DESIGN TYPE BY SEASON	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT	DESIGN TYPE BY SEASON	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE GROSS WEIGHT		
WINTER																									
RURAL																									
FREWAYS AND EXPRESSWAYS..	183	26,659	26,394	50	26,583	26,583																			
OTHER MULTILANE..	102	21,397	21,284	23	21,365	21,365																			
2 LANE.....	4	21,375	-	-	-	-																			
TOTAL.....	289	24,729	24,691	75	24,718	24,718																			
URBAN																									
FREWAYS AND EXPRESSWAYS..	3	29,800	23,343	7	27,955	27,955																			
OTHER MULTILANE..	310	16,800	16,629	17	16,751	16,751																			
2 LANE.....	-	-	-	-	-	-																			
TOTAL.....	313	16,925	18,588	24	17,400	17,400																			
ALL DESIGN TYPES	602	20,671	23,211	99	21,397	21,397																			
SPRING																									
RURAL																									
FREWAYS AND EXPRESSWAYS..	246	27,289	30,495	207	28,205	28,205																			
OTHER MULTILANE..	85	21,605	23,500	14	22,146	22,146																			
2 LANE.....	-	-	-	-	-	-																			
TOTAL.....	331	25,930	30,052	221	27,036	27,036																			
URBAN																									
FREWAYS AND EXPRESSWAYS..	5	33,840	33,900	1	33,857	33,857																			
OTHER MULTILANE..	339	17,383	21,517	29	18,564	18,564																			
2 LANE.....	-	-	-	-	-	-																			
TOTAL.....	344	17,622	21,930	30	18,853	18,853																			
ALL DESIGN TYPES	675	21,647	29,081	251	23,771	23,771																			
COMBINED.....																									

- DATA NOT AVAILABLE.

TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: BUSES

DESIGN TYPE BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS					
RURAL					
FREEWAYS AND					
EXPRESSWAYS..	872	27,176	406	28,063	27,430
OTHER MULTILANE.	275	21,880	64	23,942	22,469
2 LANE.....	9	20,844	3	27,233	22,670
TOTAL.....	1,156	25,867	473	27,500	26,334
URBAN					
FREEWAYS AND					
EXPRESSWAYS..	213	16,373	40	21,703	17,896
OTHER MULTILANE.	808	17,922	73	21,701	19,002
2 LANE.....	29	25,669	-	-	-
TOTAL.....	1,050	17,822	113	21,702	18,930
ALL DESIGN TYPES					
COMBINED.....	2,206	22,038	586	26,382	23,279

- DATA NOT AVAILABLE

TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 4 TIRE

DESIGN TYPE BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT	DESIGN TYPE BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT			VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	
WINTER						SUMMER					
RURAL						RURAL					
FREWAYS AND EXPRESSWAYS	3,003	4,852	1,277	4,786	4,833	FREWAYS AND EXPRESSWAYS	4,105	5,000	1,678	4,923	4,978
OTHER MULTILANE	2,102	6,379	893	6,422	6,391	OTHER MULTILANE	1,770	6,102	681	6,214	6,134
2 LANE	11	6,973	-	-	-	2 LANE	45	5,791	3	6,467	5,984
TOTAL	5,116	5,484	2,170	5,459	5,477	TOTAL	5,920	5,335	2,362	5,297	5,325
URBAN						URBAN					
FREWAYS AND EXPRESSWAYS	8	6,800	1	7,100	6,886	FREWAYS AND EXPRESSWAYS	4,756	4,530	1,447	4,565	4,540
OTHER MULTILANE	9,536	5,028	2,161	5,108	5,051	OTHER MULTILANE	4,036	5,382	1,086	5,344	5,371
2 LANE	6	6,600	1	4,100	5,886	2 LANE	54	5,276	25	4,924	5,175
TOTAL	9,550	5,030	2,163	5,109	5,053	TOTAL	8,846	4,923	2,558	4,899	4,916
ALL DESIGN TYPES	14,666	5,188	4,333	5,284	5,216	ALL DESIGN TYPES	14,766	5,088	4,920	5,090	5,089
SPRING						AUTUMN					
RURAL						RURAL					
FREWAYS AND EXPRESSWAYS	3,466	5,406	1,300	5,413	5,408	FREWAYS AND EXPRESSWAYS	1,748	4,840	1,008	4,861	4,846
OTHER MULTILANE	2,502	6,010	913	6,082	6,030	OTHER MULTILANE	1,238	5,872	712	6,024	5,916
2 LANE	12	7,117	-	-	-	2 LANE	23	6,243	-	-	-
TOTAL	5,980	5,552	2,213	5,689	5,670	TOTAL	3,009	5,276	1,720	5,342	5,295
URBAN						URBAN					
FREWAYS AND EXPRESSWAYS	13	6,331	1	7,100	6,551	FREWAYS AND EXPRESSWAYS	4,980	4,440	1,664	4,531	4,466
OTHER MULTILANE	10,242	5,044	2,573	5,041	5,043	OTHER MULTILANE	3,293	4,836	799	4,750	4,812
2 LANE	8	5,550	2	3,900	5,079	2 LANE	14	5,614	23	4,922	5,416
TOTAL	10,263	5,046	2,576	5,041	5,044	TOTAL	8,287	4,599	2,486	4,605	4,601
ALL DESIGN TYPES	16,243	5,272	4,789	5,340	5,292	ALL DESIGN TYPES	11,296	4,780	4,206	4,906	4,816

- DATA NOT AVAILABLE.

TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 4 TIRE

DESIGN TYPE BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS					
RURAL					
FREEWAYS AND					
EXPRESSWAYS..	12,322	5,055	5,263	4,999	5,039
OTHER MULTILANE..	7,612	6,110	3,199	6,192	6,134
2 LANE.....	91	6,223	3	6,467	6,293
TOTAL.....	20,025	5,462	8,465	5,450	5,458
URBAN					
FREEWAYS AND					
EXPRESSWAYS..	9,757	4,488	3,113	4,548	4,505
OTHER MULTILANE..	27,107	5,063	6,619	5,078	5,067
2 LANE.....	82	5,457	51	4,867	5,289
TOTAL.....	36,946	4,912	9,783	4,908	4,911
ALL DESIGN TYPES					
COMBINED.....	56,971	5,105	18,248	5,160	5,121

- DATA NOT AVAILABLE

TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 6 TIRE

DESIGN TYPE BY SEASON	WEEKDAY			WEEKEND			DESIGN TYPE BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT	
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		
WINTER															
RURAL							SUMMER								
FREEWAYS AND EXPRESSWAYS..	1,915	12,351	365	11,164	12,012		RURAL								
OTHER MULTILANE..	1,145	13,812	301	13,607	13,754		FREEWAYS AND EXPRESSWAYS..	2,266	12,678	411	11,501	12,342			
2 LANE.....	853	14,066	131	13,246	13,832		OTHER MULTILANE..	859	12,996	209	12,562	12,872			
TOTAL.....	3,913	13,153	797	12,429	12,946		2 LANE.....	691	13,411	80	13,333	13,389			
URBAN							TOTAL.....	3,816	12,882	700	12,827	12,638			
FREEWAYS AND EXPRESSWAYS..	828	14,181	108	13,971	14,121		URBAN								
OTHER MULTILANE..	2,301	12,232	211	11,507	12,025		FREEWAYS AND EXPRESSWAYS..	2,142	12,354	382	11,807	12,198			
2 LANE.....	400	12,456	49	11,606	12,213		OTHER MULTILANE..	1,716	13,221	184	11,669	12,778			
TOTAL.....	3,529	12,715	368	12,243	12,580		2 LANE.....	408	12,474	62	11,979	12,332			
ALL DESIGN TYPES	7,442	12,945	1,165	12,370	12,781		TOTAL.....	4,266	12,714	628	11,783	12,448			
SPRING							ALL DESIGN TYPES	8,082	12,794	1,328	11,912	12,542			
RURAL							COMBINED.....								
FREEWAYS AND EXPRESSWAYS..	1,937	13,290	524	11,844	12,877		AUTUMN								
OTHER MULTILANE..	1,049	13,967	202	12,974	13,683		RURAL								
2 LANE.....	866	13,326	100	13,249	13,304		FREEWAYS AND EXPRESSWAYS..	1,587	12,667	386	11,872	12,440			
TOTAL.....	3,852	13,482	825	12,290	13,142		OTHER MULTILANE..	635	13,199	170	11,669	12,762			
URBAN							2 LANE.....	852	13,526	79	12,692	13,288			
FREEWAYS AND EXPRESSWAYS..	1,178	13,743	151	13,477	13,667		TOTAL.....	3,074	13,015	635	11,920	12,702			
OTHER MULTILANE..	2,745	12,798	275	11,650	12,470		URBAN								
2 LANE.....	501	12,756	71	10,968	12,245		FREEWAYS AND EXPRESSWAYS..	2,411	12,586	338	11,425	12,254			
TOTAL.....	4,424	13,045	498	12,107	12,777		OTHER MULTILANE..	1,533	12,429	177	10,808	11,966			
ALL DESIGN TYPES	8,276	13,249	1,324	12,221	12,955		2 LANE.....	437	12,708	40	12,108	12,536			
COMBINED.....							TOTAL.....	4,381	12,543	555	11,277	12,182			
							ALL DESIGN TYPES	7,455	12,738	1,190	11,620	12,418			

TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: SINGLE UNIT - 2 AXLE, 6 TIRE

DESIGN TYPE BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS							
RURAL							
FREEWAYS AND EXPRESSWAYS	7,705	12,749	1,686	11,620			12,426
OTHER MULTILANE	3,688	13,561	882	12,841			13,355
2 LANE	3,262	13,590	330	13,152			13,465
TOTAL	14,655	13,140	2,958	12,186			12,867
URBAN							
FREEWAYS AND EXPRESSWAYS	6,559	12,920	979	12,171			12,706
OTHER MULTILANE	8,295	12,661	848	11,443			12,313
2 LANE	1,746	12,609	222	11,596			12,320
TOTAL	16,600	12,758	2,049	11,808			12,486
ALL DESIGN TYPES							
COMBINED	31,255	12,937	5,007	12,031			12,678

- DATA NOT AVAILABLE

TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: SINGLE UNIT - 3 AXLE OR MORE

DESIGN TYPE BY SEASON	WEEKDAY			WEEKEND			DESIGN TYPE BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY HEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
WINTER														
RURAL														
FREWAYS AND														
EXPRESSWAYS..	447	27,949	54	23,296	26,619									27,232
OTHER MULTILANE.	199	28,167	19	27,058	27,850									27,466
2 LANE.....	255	29,809	67	26,925	28,985									28,450
TOTAL.....	901	28,524	140	25,544	27,672									27,513
URBAN														
FREWAYS AND														
EXPRESSWAYS..	428	26,687	42	24,267	25,995									25,097
OTHER MULTILANE.	1,370	25,830	153	25,201	25,651									27,776
2 LANE.....	137	23,288	4	22,275	22,998									25,376
TOTAL.....	1,935	25,840	199	24,945	25,584									25,666
ALL DESIGN TYPES	2,856	26,692	339	25,192	26,264									27,019
SPRING														
RURAL														
FREWAYS AND														
EXPRESSWAYS..	373	29,701	60	25,718	28,563									27,189
OTHER MULTILANE.	201	27,876	12	22,375	26,304									24,935
2 LANE.....	225	27,605	25	23,204	26,348									29,964
TOTAL.....	799	28,652	99	24,642	27,506									27,387
URBAN														
FREWAYS AND														
EXPRESSWAYS..	603	28,333	41	23,232	26,876									26,317
OTHER MULTILANE.	1,172	30,858	81	29,177	30,378									32,794
2 LANE.....	160	22,538	10	17,790	21,182									28,892
TOTAL.....	1,935	29,384	132	26,467	28,550									29,289
ALL DESIGN TYPES	2,734	29,170	230	25,690	28,175									28,536



TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: SINGLE UNIT - 3 AXLE OR MORE

DESIGN TYPE BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS					
RURAL					
FREEWAYS AND EXPRESSWAYS	1,608	28,274	235	25,219	27,401
OTHER MULTILANE	716	28,296	82	21,896	26,467
2 LANE	951	28,828	135	27,254	28,378
TOTAL	3,275	28,439	452	25,224	27,521
URBAN					
FREEWAYS AND EXPRESSWAYS	2,680	28,203	209	21,681	26,340
OTHER MULTILANE	3,890	29,043	343	27,404	28,575
2 LANE	533	24,392	47	25,230	24,632
TOTAL	7,103	28,377	599	25,237	27,480
ALL DESIGN TYPES					
COMBINED	10,378	28,397	1,051	25,231	27,492

- DATA NOT AVAILABLE

TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: COMBINATION - 3 AXLE

DESIGN TYPE BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT			DESIGN TYPE BY SEASON			WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT				
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE DAY WEIGHT	DESIGN TYPE BY SEASON	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE DAY WEIGHT	DESIGN TYPE BY SEASON	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE DAY WEIGHT				
WINTER																							
RURAL																							
FREEWAYS AND EXPRESSWAYS..	247	28,271	37	31,024	29,058		SUMMER																
OTHER MULTILANE..	65	26,528	7	28,229	27,014		RURAL																
2 LANE.....	82	26,428	5	29,060	27,180		FREEWAYS AND EXPRESSWAYS..	235	28,695	32	26,363	28,028		FREEWAYS AND EXPRESSWAYS..	14	29,924	14	29,293	26,887				
TOTAL.....	394	27,600	49	30,424	28,407		2 LANE.....	54	27,346	3	20,200	25,304		2 LANE.....	347	28,022	49	26,822	27,679				
URBAN							TOTAL.....	389	25,886	59	27,444	26,331		TOTAL.....	908	26,689	120	27,238	26,846				
FREEWAYS AND EXPRESSWAYS..	264	25,625	21	30,886	27,128		URBAN							FREEWAYS AND EXPRESSWAYS..	59	27,444	59	27,444	26,331				
OTHER MULTILANE..	153	26,382	4	27,450	26,687		FREEWAYS AND EXPRESSWAYS..	112	26,857	11	27,362	27,007		FREEWAYS AND EXPRESSWAYS..	11	27,362	11	27,362	27,007				
2 LANE.....	57	22,375	2	22,850	22,511		OTHER MULTILANE..	60	23,880	1	33,900	26,743		OTHER MULTILANE..	1	33,900	1	33,900	26,743				
TOTAL.....	474	25,479	27	29,781	26,708		2 LANE.....	561	25,865	71	27,525	26,339		2 LANE.....	71	27,525	71	27,525	26,339				
ALL DESIGN TYPES	868	26,442	76	30,196	27,514		TOTAL.....	908	26,689	120	27,238	26,846		TOTAL.....	908	26,689	120	27,238	26,846				
SPRING							ALL DESIGN TYPES							ALL DESIGN TYPES									
RURAL							ALL COMBINED.....							ALL COMBINED.....									
FREEWAYS AND EXPRESSWAYS..	304	28,830	60	26,307	28,109		URBAN							FREEWAYS AND EXPRESSWAYS..	47	27,711	47	27,711	28,409				
OTHER MULTILANE..	128	26,885	9	28,744	27,416		RURAL							FREEWAYS AND EXPRESSWAYS..	3	34,000	3	34,000	29,291				
2 LANE.....	121	27,605	3	24,550	26,732		FREEWAYS AND EXPRESSWAYS..	228	28,689	56	27,407	26,116		FREEWAYS AND EXPRESSWAYS..	4	19,825	4	19,825	24,318				
TOTAL.....	553	28,112	77	26,409	27,625		OTHER MULTILANE..	63	26,116	347	28,015	27,861		OTHER MULTILANE..	54	27,476	54	27,476	27,861				
URBAN							TOTAL.....	424	26,345	53	27,277	26,611		TOTAL.....	53	27,277	53	27,277	26,611				
FREEWAYS AND EXPRESSWAYS..	362	26,629	44	26,668	26,640		URBAN							FREEWAYS AND EXPRESSWAYS..	3	24,500	3	24,500	25,163				
OTHER MULTILANE..	196	24,896	11	27,373	25,804		FREEWAYS AND EXPRESSWAYS..	98	25,428	98	25,428	25,163		FREEWAYS AND EXPRESSWAYS..	2	14,800	2	14,800	21,494				
2 LANE.....	89	22,799	2	23,750	23,071		OTHER MULTILANE..	31	24,171	553	26,060	26,244		OTHER MULTILANE..	58	26,703	58	26,703	26,244				
TOTAL.....	647	25,577	57	26,702	25,899		2 LANE.....	553	26,060	900	26,814	26,889		2 LANE.....	112	27,076	112	27,076	26,889				
ALL DESIGN TYPES	1,200	26,745	134	26,534	26,685		TOTAL.....							TOTAL.....									
ALL COMBINED.....							ALL DESIGN TYPES							ALL DESIGN TYPES									

TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: COMBINATION - 3 AXLE

DESIGN TYPE BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS							
RURAL							
FREEWAYS AND							
EXPRESSWAYS	1,014	28,631	176	27,684			28,360
OTHER MULTILANE	307	26,723	33	29,345			27,472
2 LANE	320	26,967	20	24,080			26,142
TOTAL	1,641	27,949	229	27,608			27,852
URBAN							
FREEWAYS AND							
EXPRESSWAYS	1,439	26,160	177	27,610			26,574
OTHER MULTILANE	559	25,789	29	27,090			26,161
2 LANE	237	23,150	7	22,386			22,932
TOTAL	2,235	25,748	213	27,367			26,211
ALL DESIGN TYPES							
COMBINED	3,876	26,680	442	27,492			26,512

- DATA NOT AVAILABLE

TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS HEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE 2S2

DESIGN TYPE BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
WINTER														
RURAL														
FREEMAYS AND EXPRESSWAYS...	1,216	36,541	218	38,684	37,225			1,127	37,010	151	39,602			37,750
OTHER MULTILANE...	939	37,326	175	39,294	37,886			593	36,832	59	40,936			38,004
2 LANE...	156	34,080	24	35,108	34,374			133	36,036	23	34,578			35,620
TOTAL...	2,311	36,746	418	38,736	37,315			1,853	36,883	233	39,444			37,615
URBAN														
FREEMAYS AND EXPRESSWAYS...	451	35,161	78	36,177	35,451			1,125	37,238	143	35,530			36,767
OTHER MULTILANE...	664	38,243	74	38,150	38,217			429	40,438	58	43,491			41,311
2 LANE...	34	30,303	1	37,200	32,274			50	31,518	2	39,800			33,884
TOTAL...	1,149	36,798	153	37,138	36,895			1,604	37,916	203	37,889			37,908
ALL DESIGN TYPES	3,460	36,764	571	38,308	37,205			3,457	37,362	436	38,720			37,750
SPRING														
RURAL														
FREEMAYS AND EXPRESSWAYS...	1,035	36,956	253	37,403	37,083			880	36,798	200	38,424			37,253
OTHER MULTILANE...	691	37,600	52	40,444	38,413			358	36,251	52	36,463			36,312
2 LANE...	147	33,853	13	39,885	35,576			119	36,587	6	42,700			38,334
TOTAL...	1,873	36,950	318	38,002	37,250			1,357	36,635	258	38,128			37,062
URBAN														
FREEMAYS AND EXPRESSWAYS...	567	34,866	99	35,393	35,017			1,403	36,140	142	35,782			36,038
OTHER MULTILANE...	809	42,049	75	45,573	43,056			494	35,658	84	28,771			33,690
2 LANE...	57	25,667	-	-	-			33	29,924	2	28,100			29,403
TOTAL...	1,433	38,555	174	39,781	38,906			1,930	35,910	228	33,132			35,116
ALL DESIGN TYPES	3,306	37,646	492	38,631	37,927			3,287	36,210	486	35,784			36,083

- DATA NOT AVAILABLE.

TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE 2S2

DESIGN TYPE BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS							
RURAL							
FREEWAYS AND EXPRESSWAYS..	4,258	36,847	822	38,395			37,290
OTHER MULTILANE..	2,581	37,137	339	39,322			37,761
2 LANE.....	555	35,026	66	36,555			35,463
TOTAL.....	7,394	36,812	1,227	38,552			37,309
URBAN							
FREEWAYS AND EXPRESSWAYS..	3,546	36,160	462	35,706			36,030
OTHER MULTILANE..	2,396	39,388	291	38,421			39,112
2 LANE.....	174	29,061	5	34,600			30,644
TOTAL.....	6,116	37,223	758	36,741			37,085
ALL DESIGN TYPES							
COMBINED.....	13,510	36,998	1,985	37,861			37,244

- DATA NOT AVAILABLE

TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

MPHS VEHICLE CATEGORY: COMBINATION - 4 AXLE OTHER

DESIGN TYPE BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT	DESIGN TYPE BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT			VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHICLES IN SAMPLE	AVERAGE GROSS WEIGHT	
WINTER											
RURAL						SUMMER					
FREEWAYS AND EXPRESSWAYS..	80	25,200	17	28,105	26,030	RURAL	87	24,541	24	21,767	23,749
OTHER MULTILANE..	10	25,360	1	24,000	24,971	FREEWAYS AND EXPRESSWAYS..	23	26,748	11	20,809	25,051
2 LANE.....	21	25,486	2	26,400	25,747	OTHER MULTILANE..	21	21,133	3	13,933	19,076
TOTAL.....	111	25,268	20	27,730	25,972	2 LANE.....	131	24,382	38	20,871	23,379
URBAN						TOTAL.....					
FREEWAYS AND EXPRESSWAYS..	49	25,047	22	28,086	25,915	URBAN					
OTHER MULTILANE..	29	25,866	1	11,400	21,733	FREEWAYS AND EXPRESSWAYS..	95	22,279	30	18,833	21,294
2 LANE.....	12	22,783	1	22,400	22,674	OTHER MULTILANE..	26	25,819	7	20,214	24,218
TOTAL.....	90	25,009	24	27,154	25,622	2 LANE.....	20	22,180	2	17,500	20,843
ALL DESIGN TYPES	201	25,152	44	27,415	25,799	TOTAL.....	141	22,918	39	19,013	21,802
ALL COMBINED.....						ALL DESIGN TYPES	272	23,623	77	19,930	22,568
SPRING						ALL COMBINED.....					
RURAL						AUTUMN					
FREEWAYS AND EXPRESSWAYS..	72	26,890	32	21,250	25,279	RURAL					
OTHER MULTILANE..	19	31,421	1	28,500	30,586	FREEWAYS AND EXPRESSWAYS..	97	27,835	28	22,096	26,195
2 LANE.....	25	23,228	5	17,633	21,630	OTHER MULTILANE..	14	29,014	4	27,875	28,689
TOTAL.....	116	26,843	39	20,879	25,139	2 LANE.....	32	22,150	3	16,067	20,412
URBAN						TOTAL.....	143	26,678	35	22,240	25,410
FREEWAYS AND EXPRESSWAYS..	107	22,481	15	22,644	22,528	URBAN					
OTHER MULTILANE..	32	23,388	2	18,300	21,934	FREEWAYS AND EXPRESSWAYS..	109	25,205	32	20,338	23,814
2 LANE.....	28	27,521	-	-	-	OTHER MULTILANE..	27	25,815	3	16,033	23,020
TOTAL.....	167	23,500	13	22,161	23,117	2 LANE.....	17	25,706	6	17,667	23,409
ALL DESIGN TYPES	283	24,870	57	21,284	23,846	TOTAL.....	153	25,368	41	19,632	23,729
ALL COMBINED.....						ALL DESIGN TYPES	296	26,001	76	20,833	24,524

- DATA NOT AVAILABLE.

TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: COMBINATION - 4 AXLE OTHER

DESIGN TYPE BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS					
RURAL					
FREEMAYS AND EXPRESSWAYS..	336	26,152	101	22,761	25,184
OTHER MULTILANE 2 LANE.....	66	28,364	17	23,112	26,863
TOTAL.....	99	22,914	14	17,757	21,441
URBAN					
TOTAL.....	301	25,804	132	22,276	24,796
FREEMAYS AND EXPRESSWAYS..	360	23,602	100	21,960	23,133
OTHER MULTILANE 2 LANE.....	114	25,147	13	18,277	23,184
TOTAL.....	77	24,995	9	18,156	23,041
ALL DESIGN TYPES COMBINED.....	551	24,116	122	21,287	23,308
	1,052	24,920	254	21,801	24,029

- DATA NOT AVAILABLE

TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE 3S2

DESIGN TYPE BY SEASON	WEEKDAY			WEEKEND			DESIGN TYPE BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE DAY WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE DAY WEIGHT		VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE DAY WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE DAY WEIGHT	
WINTER														
RURAL														
FREWAYS AND EXPRESSWAYS	10,470	54,947	56,541	3,499	60,526	60,526	SUMMER							
OTHER MULTILANE	2,486	51,182	51,776	461	53,261	51,776	RURAL							
2 LANE	1,433	51,911	52,440	226	53,762	52,440	FREWAYS AND EXPRESSWAYS	8,573	55,252	55,252	2,383	60,373	60,373	56,715
TOTAL	14,389	53,994	55,527	4,185	59,361	55,527	OTHER MULTILANE	2,171	49,684	49,684	428	49,723	49,723	49,695
URBAN							2 LANE	1,092	54,070	54,070	115	56,773	56,773	54,842
FREWAYS AND EXPRESSWAYS	6,734	55,700	56,715	1,504	59,254	56,715	TOTAL	11,836	54,122	54,122	2,926	58,673	58,673	55,422
OTHER MULTILANE	2,493	53,999	55,242	303	58,352	55,242	URBAN							
2 LANE	417	46,419	47,027	13	48,546	47,027	FREWAYS AND EXPRESSWAYS	8,641	52,134	52,134	1,761	56,391	56,391	53,350
TOTAL	9,644	54,859	56,050	1,820	59,027	56,050	OTHER MULTILANE	2,174	56,928	56,928	354	66,445	66,445	59,647
ALL DESIGN TYPES	24,033	54,341	55,746	6,006	59,260	55,746	2 LANE	589	48,759	48,759	8	54,250	54,250	50,328
COMBINED							TOTAL	11,404	52,874	52,874	2,123	58,059	58,059	54,355
SPRING							ALL DESIGN TYPES	23,240	53,509	53,509	5,049	58,415	58,415	54,911
RURAL							AUTUMN							
FREWAYS AND EXPRESSWAYS	9,685	56,361	57,512	4,263	60,388	57,512	RURAL							
OTHER MULTILANE	3,138	53,281	55,174	316	59,909	55,174	FREWAYS AND EXPRESSWAYS	8,663	55,326	55,326	3,589	58,123	58,123	56,125
2 LANE	1,977	55,384	55,663	164	56,360	55,663	OTHER MULTILANE	1,723	49,117	49,117	375	52,566	52,566	50,103
TOTAL	14,300	55,584	56,908	4,743	60,217	56,908	2 LANE	1,372	54,799	54,799	161	60,130	60,130	56,322
URBAN							TOTAL	11,758	54,355	54,355	4,125	57,696	57,696	55,309
FREWAYS AND EXPRESSWAYS	7,607	56,068	57,245	2,122	60,190	57,245	URBAN							
OTHER MULTILANE	3,323	56,075	58,353	454	64,048	58,353	FREWAYS AND EXPRESSWAYS	8,674	50,378	50,378	2,090	59,515	59,515	52,989
2 LANE	553	43,880	42,038	3	37,433	42,038	OTHER MULTILANE	1,403	52,193	52,193	203	58,356	58,356	53,953
TOTAL	11,483	55,483	56,999	2,585	60,788	56,999	2 LANE	164	48,425	48,425	7	51,743	51,743	49,373
ALL DESIGN TYPES	25,783	55,539	56,933	7,328	60,418	56,933	TOTAL	10,241	50,595	50,595	2,300	59,389	59,389	53,108
COMBINED							ALL DESIGN TYPES	21,999	52,605	52,605	6,425	58,302	58,302	54,233



TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE 3S2

DESIGN TYPE BY SEASON	WEEKDAY		WEEKEND		AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS					
RURAL					
FREEWAYS AND					
EXPRESSWAYS	37,391	55,471	13,734	59,828	56,716
OTHER MULTILANE	9,518	51,158	1,580	53,467	51,818
2 LANE	5,374	54,042	666	56,461	54,733
TOTAL	52,283	54,539	15,980	59,059	55,830
URBAN					
FREEWAYS AND					
EXPRESSWAYS	31,656	53,357	7,477	58,918	54,946
OTHER MULTILANE	9,393	55,142	1,314	62,501	57,244
2 LANE	1,723	46,595	37	47,681	46,905
TOTAL	42,772	53,476	8,828	59,404	55,170
ALL DESIGN TYPES					
COMBINED	95,055	54,061	24,808	59,182	55,524

- DATA NOT AVAILABLE

TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE OTHER

DESIGN TYPE BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT	DESIGN TYPE BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT			VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT			
WINTER								SUMMER							
RURAL								RURAL							
FREEWAYS AND EXPRESSWAYS...	880	62,470	155	68,323	64,142			FREEWAYS AND EXPRESSWAYS...	870	62,545	184	64,799	63,189		
OTHER MULTILANE...	29	49,690	5	75,300	57,007			OTHER MULTILANE...	41	48,585	3	47,833	48,370		
2 LANE...	86	57,636	13	56,708	57,371			2 LANE...	90	64,203	13	60,769	63,222		
TOTAL...	995	61,680	173	67,652	63,386			TOTAL...	1,001	62,122	200	64,283	62,740		
URBAN								URBAN							
FREEWAYS AND EXPRESSWAYS...	697	59,876	223	60,994	60,195			FREEWAYS AND EXPRESSWAYS...	775	60,209	275	59,269	59,940		
OTHER MULTILANE...	84	53,338	1	52,600	53,127			OTHER MULTILANE...	206	50,366	-	-	-		
2 LANE...	113	50,712	7	45,443	49,207			2 LANE...	95	50,509	4	25,475	43,357		
TOTAL...	894	58,103	231	60,486	58,784			TOTAL...	1,076	57,468	279	53,785	57,844		
ALL DESIGN TYPES	1,889	59,987	404	63,555	61,006			ALL DESIGN TYPES	2,077	59,711	479	61,080	60,102		
SPRING								AUTUMN							
RURAL								RURAL							
FREEWAYS AND EXPRESSWAYS...	842	60,009	304	60,962	60,282			FREEWAYS AND EXPRESSWAYS...	1,203	62,170	347	57,747	60,906		
OTHER MULTILANE...	56	52,450	5	54,580	53,059			OTHER MULTILANE...	47	57,734	3	69,267	61,029		
2 LANE...	143	67,787	10	61,550	66,005			2 LANE...	126	59,761	1	72,300	63,344		
TOTAL...	1,041	60,671	319	60,881	60,731			TOTAL...	1,376	61,798	351	57,887	60,680		
URBAN								URBAN							
FREEWAYS AND EXPRESSWAYS...	959	56,897	228	59,553	57,656			FREEWAYS AND EXPRESSWAYS...	639	60,981	194	63,095	61,585		
OTHER MULTILANE...	252	45,557	7	32,614	41,859			OTHER MULTILANE...	140	53,092	3	56,200	53,980		
2 LANE...	126	37,988	4	36,950	37,691			2 LANE...	19	40,858	5	70,540	49,338		
TOTAL...	1,337	52,978	239	58,385	54,523			TOTAL...	798	59,118	202	63,177	60,278		
ALL DESIGN TYPES	2,378	56,346	558	59,812	57,336			ALL DESIGN TYPES	2,174	60,814	553	59,820	60,530		

- DATA NOT AVAILABLE.

TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: COMBINATION - 5 AXLE OTHER

DESIGN TYPE BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS							
RURAL							
FREEWAYS AND							
EXPRESSWAYS..	3,795	61,846	990	61,701			61,805
OTHER MULTILANE..	173	52,507	16	62,544			55,375
2 LANE.....	445	62,828	37	59,865			61,981
TOTAL.....	4,413	61,579	1,043	61,549			61,599
URBAN							
FREEWAYS AND							
EXPRESSWAYS..	3,070	59,260	920	60,564			59,632
OTHER MULTILANE..	682	49,515	11	40,864			47,043
2 LANE.....	353	45,586	20	46,025			45,711
TOTAL.....	4,105	56,465	951	60,031			57,483
ALL DESIGN TYPES							
COMBINED.....	8,518	59,114	1,994	60,877			59,618

- DATA NOT AVAILABLE

TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: COMBINATION - 6 AXLE OR MORE

DESIGN TYPE BY SEASON	WEEKDAY			WEEKEND			WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE DAY WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE DAY WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE DAY WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	AVERAGE DAY WEIGHT	
WINTER													
RURAL													
FREEWAYS AND EXPRESSWAYS..													
OTHER MULTILANE..	216	67,316	67,061	37	66,424	67,061	260	71,283	72,827	108	76,687	72,827	
2 LANE.....	23	54,804	57,306	5	63,560	57,306	23	61,091	57,971	10	50,170	57,971	
TOTAL.....	22	58,868	53,006	2	38,350	53,006	27	59,141	52,901	1	37,300	52,901	
URBAN	261	65,501	65,307	44	64,823	65,307	310	69,470	70,801	119	74,128	70,801	
FREEWAYS AND EXPRESSWAYS..													
OTHER MULTILANE..	167	66,404	68,011	27	72,030	68,011	224	63,141	66,762	66	75,815	66,762	
2 LANE.....	46	72,496	74,421	6	79,233	74,421	39	57,097	61,860	3	73,767	61,860	
TOTAL.....	14	44,550	-	-	-	-	21	48,414	-	-	-	-	
ALL DESIGN TYPES	227	66,291	68,305	33	73,339	68,305	284	61,222	65,366	69	75,726	65,366	
COMBINED.....	488	65,868	66,613	77	68,473	66,613	594	65,526	68,151	188	74,714	68,151	
SPRING													
RURAL													
FREEWAYS AND EXPRESSWAYS..													
OTHER MULTILANE..	253	66,272	67,881	120	71,903	67,881	314	67,959	68,797	89	70,892	68,797	
2 LANE.....	34	65,800	60,114	5	45,900	60,114	25	57,848	-	-	-	-	
TOTAL.....	40	61,485	67,289	1	81,800	67,289	21	67,095	70,097	1	77,600	70,097	
URBAN	327	65,637	67,155	126	70,949	67,155	360	67,206	68,281	90	70,967	68,281	
FREEWAYS AND EXPRESSWAYS..													
OTHER MULTILANE..	179	65,717	65,945	38	66,516	65,945	243	65,371	64,255	41	61,466	64,255	
2 LANE.....	60	66,212	75,437	1	98,500	75,437	28	67,561	70,829	12	79,000	70,829	
TOTAL.....	20	44,090	39,264	1	27,200	39,264	5	59,450	-	-	-	-	
ALL DESIGN TYPES	259	64,162	64,782	40	66,333	64,782	277	65,464	65,456	53	65,436	65,456	
COMBINED.....	586	64,985	66,371	166	69,837	66,371	637	66,449	67,154	143	68,917	67,154	

- DATA NOT AVAILABLE.

TABLE 17. SEASONAL VARIATION IN AVERAGE GROSS WEIGHTS BY DESIGN TYPE

HPMS VEHICLE CATEGORY: COMBINATION - 6 AXLE OR MORE

DESIGN TYPE BY SEASON	WEEKDAY			WEEKEND			AVERAGE DAY WEIGHT
	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	VEHI- CLES IN SAMPLE	AVERAGE GROSS WEIGHT	
ALL SEASONS							
RURAL							
FREEWAYS AND EXPRESSWAYS..	1,043	68,245	354	72,536		69,471	
OTHER MULTILANE..	105	60,467	20	52,450		58,176	
2 LANE.....	110	61,457	5	54,680		59,521	
TOTAL.....	1,258	67,002	379	71,240		68,213	
URBAN							
FREEWAYS AND EXPRESSWAYS..	813	65,045	172	69,746		66,388	
OTHER MULTILANE..	173	66,046	22	79,236		69,815	
2 LANE.....	61	47,195	1	27,200		41,482	
TOTAL.....	1,047	64,170	195	70,598		66,007	
ALL DESIGN TYPES							
COMBINED.....	2,305	65,716	574	71,022		67,232	

- DATA NOT AVAILABLE.











