SECTION 7.6 LIGHT-DUTY AUTOMOBILE WEEKDAY ACTIVITY

This section discusses the development of light-duty automobile weekday activity estimates. A model year specific trips per day vehicle activity distribution was developed along with a set of new activity distribution matrices for time-on, time-off, trip-starts, trip-ends, speed, resting time, and VMT.

7.6.1 Introduction

In prior versions of the model, activity was categorized into 6 uneven time periods. The hourly activity portion of EMFAC2000 was also modified to match the more resolved emission factors for running, starting, and evaporative emissions. The new activity estimates disaggregate activity into 24 hourly time periods, and the driving characteristics within each period are further disaggregated into bins. For example, a trip with a given mean speed will not only be assigned to the hour that the trip started but also to the appropriate mean speed bin. In MVEI7G, the number of trips were assigned to a given time period, whereas for EMFAC2000, the trip's duration will also be assigned to its respective period. Therefore, not only are the periods more finely resolved but an additional dimension will be added to the activity matrix.

7.6.2 Starts per Day Data Analysis

In EMFAC7F, the ARB used results from the California Department of Transportation (CalTrans) to estimate the number of trips per day for an average vehicle. CalTrans conducted statewide travel surveys requiring people to record their driving habits in diaries. From these statewide travel surveys, CalTrans estimated that people took approximately 3.76 trips per vehicle per day. The survey information only estimated trips from origin to destination, non-destination trips were not recorded. These non-destination trips include short side trips, and starts associated with shuffling cars at home or moving a car in a parking lot. Since emissions are produced whenever a vehicle is started, the CalTrans survey data were adjusted in MVEI7G to include these starts. For MVEI7G, the estimate of starts per day was modified to include instrumented vehicle data collected for the U.S. EPA in Baltimore, Maryland; Spokane, Washington; and Atlanta, Georgia, which yielded an estimated 6.35 starts per day per vehicle for light-duty automobiles. When combined with the population distribution by vehicle age, a fleet average distribution of starts per day by vehicle age was produced. For EMFAC2000, the methodology has not changed significantly from MVEI7G. The starts per day linearly decrease with vehicle age from 6.56 at age 1 to 3.72 starts per day at age 45.

For EMFAC2000 there are 45 age groups, an increase of 10 years from MVEI7G. The starts per day for the additional 10 age groups was developed by estimating the percent decrease for years 34 and 35, and then applying it proportionally the remaining years. The starts per day by vehicle age is shown graphically in Figure 7.6-1 and in numerically in Table 7.6-1.

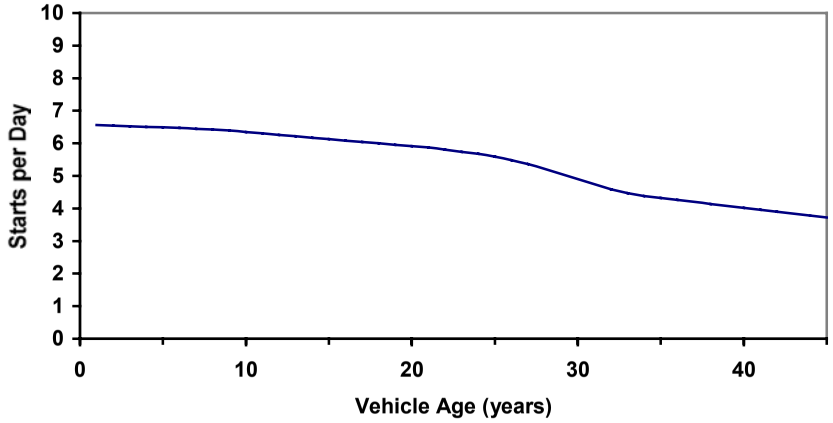

Figure 7.6-1. Starts per Day by Vehicle Age.

Table 7.6-1. Starts per Day by Age.

Age	Starts		Age	Starts
1	6.56		24	5.68
2	6.54		25	5.59
3	6.52		26	5.48
4	6.50		27	5.36
5	6.49		28	5.22
6	6.47		29	5.06
7	6.44		30	4.90
8	6.42		31	4.74
9	6.39		32	4.59
10	6.35		33	4.47
11	6.31		34	4.38
12	6.26		35	4.32
13	6.22		36	4.26
14	6.17		37	4.2
15	6.13		38	4.14
16	6.08		39	4.08
17	6.04		40	4.02
18	6.00		41	3.96
19	5.95		42	3.9
20	5.91		43	3.84
21	5.87		44	3.78
22	5.81		45	3.72
23	5.74			

7.6.3 Hourly Activity Data Analysis

The second-by-second instrumented vehicle data collected by the U.S. EPA for the cities of Baltimore, Maryland; Spokane, Washington; and Atlanta, Georgia, were used to characterize weekday trip activity. The analysis was designed to evaluate a whole day's worth of driving. The first and last day of driving were omitted because they may not have been representative. Drivers may have altered their trips for those days to have instrumentation installed or removed from their vehicle. However, the first and last day of driving was used in calculating information for the second day of driving (i.e. soak time) and the day before the last day of driving (i.e. driving which starts on the second to the last day of driving and continued into the last day). The Atlanta instrumented vehicle data set contained several problems including: data only collected at two second rather than one second intervals for a vehicle exchange or individual trip, and some trips had missing speed data. For these vehicles, the entire vehicle exchange was deleted instead of the individual trip because deleting trips would cause erroneous estimates of extended soaks, decreased trips per day, and decreased VMT for this analysis.

The weekday activity characteristics developed for EMFAC2000 include time-on, time-off, trip-starts, trip-ends, speed frequency distribution, resting time frequency distribution, and a VMT frequency distribution. A descriptions of the above activity characteristics are defined as follows:

Time-on

Time-on is used for estimating exhaust emissions. Time-on is the length of time a vehicle is running during a respective hour. If a vehicle's running time overflows into the next hour all of the time is counted in the hour when the vehicle was started. An example of this would be a vehicle that is started at 3:59 p.m. and shut off at 4:15 p.m. The total operating time of 16 minutes would be applied to 3:00 p.m. A two-dimensional time-on frequency distribution was also analyzed. The time-on frequency distribution was determined by binning the time-on events from one minute to two hours for each hour of the day.

Time-off

Time-off is used in calculating starting emissions in EMFAC2000. Time-off is the amount of time the vehicle is off (or soaking) prior to a trip-start. This event is applied to the hour that the start occurred. For example, if a vehicle ended a trip at 5:00 p.m. and was restarted at 7:00 a.m. the next day, this 14 hour time-off event is applied to 7:00 a.m. Time-off is used in calculating the cold start correction factors. A two-dimensional time-off frequency distribution was also determined by binning the time-off events from 5 minutes to 4 days for each hour of the day.

Trip-Starts

Trip-starts are used in determining the hourly trip distribution in EMFAC2000. The number of trip-starts is the number of times a vehicle was started during the respective hour. For example, a key-on event at 3:59 p.m. by a vehicle is counted as a start during the 3:00 p.m. hour. As part of the analyses, if a vehicle's engine apparently stalled and was restarted within 15 seconds, then the event was counted as only one start or trip.

Trip-Ends

Trip-ends are used in estimating evaporative emissions in EMFAC2000, and are calculated by determining the number of times a vehicle ended a trip (key-off) during a respective hour. For example, consider the same event mentioned above with the trip starting at 3:59 p.m. and ending at 4:15 p.m. In this case, a single trip-end is applied to 4:00 p.m.

Vehicle Miles Traveled

VMT is the distance traveled by a vehicle during a trip and is assigned to the respective hour. If a trip spans more than one hour, then the total distance is assigned to the hour in which the trip started. The distance was calculated from the speed data recorded on a second-by-second basis using the equation: distance = speed*time. A two-dimensional VMT by hour of the day frequency distribution was analyzed. The VMT frequency distribution was determined by binning the distance of each trip. For example, 0-1 mile trips were assigned to the 0 mile bin, 1-5 mile trips were assigned to the 5 mile bin, 5-10 mile trips were assigned to the 10 mile bin, and so on.

Speed Frequency Distributions

A two-dimensional frequency distribution was developed for mean speed by hour of the day to estimate running exhaust emissions and running evaporative losses within EMFAC2000. The speed distribution was determined by taking each trip's mean speed and then assigning it as a single count in an appropriate speed bin (i.e. 0-1 mph speeds are assigned to the 0 mph bin, 1-5 mph are assigned to the 5 mph bin, 5-10 mph is assigned to the 10 mph bin, and so on). This was done for each hour of the day.

Resting Time Frequency Distributions

In EMFAC2000, the resting time frequency distributions matrix is used to estimate evaporative emissions (i.e. hot soaks, diurnal, and resting losses) for vehicles at rest. The resting time distribution is the amount of time a vehicle will be off and is applied to the hour that the trip ended. This is in contrast to time-off, which is applied to the hour on which the trip started. Each trip has a resting event and it is assigned to the respective resting time bin for the hour that the trip-end occurred. The bins ranged in time from five minutes to 4 days. If a resting event extends beyond the first hour, an additional resting event is added to the next resting hour bin and next hour of the day. For example, if a vehicle was turned off at 5:00 p.m. and restarted at 7:00 a.m. the next day, a one hour event would be counted at 6:00 p.m., a two hour event would be counted at 7:00 p.m., a three hour event would be counted at 8:00 p.m., etc., until 7:00 a.m. the next morning. Therefore, a single key-off event for an individual vehicle yields multiple resting time events, whereas all other trip characteristics produce only one event for each trip.

Throughout this section, most of the analyses are simplified and shown as two-dimensional graphs. In actuality, the input matrices for the EMFAC2000 model include two-dimensional matrices, thus requiring three-dimensional graphs. For example, the speed distribution matrix contains the frequency distribution by hour of the day and by mean speed bin. Graphs

representing all of the two-dimensional matrices are shown in Appendix 7.6.1, while the actual input matrices are shown in Appendix 7.6.2.

7.6.4 Time-On and Time-Off

Weekday time-on and time-off distributions for Atlanta, Baltimore, and Spokane are shown in Figure 7.6-2 and Figure 7.6-3, respectively. Time-on was calculated by summing the time-on for all vehicles during the respective hour and then dividing by the total time for all hours. As expected, there is an increase in time-on for the morning commute and a decrease in the amount of time-on prior to the noon hour. At approximately noon, the length of time-on increases again and then decreases temporarily with an increase in time-on until approximately 5:00 p.m. As shown in Figure 7.6-3, there is an increase in the time-off count from approximately 5 a.m. to 10 a.m. This is due to the fact that time-off is applied to the time the vehicle was started and a vehicle's initial trip normally occurs during the morning hours. The amount of time-off was calculated from the time a vehicle ended its last trip, and multiple soak days were also included in the data analysis and applied to the respective hour. Although the data analyzed show these increases in time-on and off for the morning commute, it should be noted that the number of events used to calculate the rates prior to 6 a.m. were fewer than were used for the peak morning commute hours. Even with this relative scarcity of data, the increase in time-on and off prior to the morning commute seems reasonable when compared to the rates estimated after 6 a.m.

A composite weekday time-on and time-off distribution was developed for incorporation into EMFAC2000 by combining the data from the three cities. The composite time-on and time-off distribution is shown in Figure 7.6-4.

The composite weekday time-on and time-off frequency distributions graphs by hour of the day and duration are shown in Figure 7.6-13 and Figure 7.6-14 of Appendix 7.6-1, while the actual matrices are shown in Table 7.6-2 and Table 7.6-3 of Appendix 7.6-2. Table 7.6-2 and Table 7.6-3 contain the time-on and time-off distribution matrices coded into EMFAC2000, while the information presented in Figure 7.6-2 through Figure 7.6-4 are summary statistics. The size of time-on and time-off distribution matrices are 30 X 24 and 33 X 24, respectively.

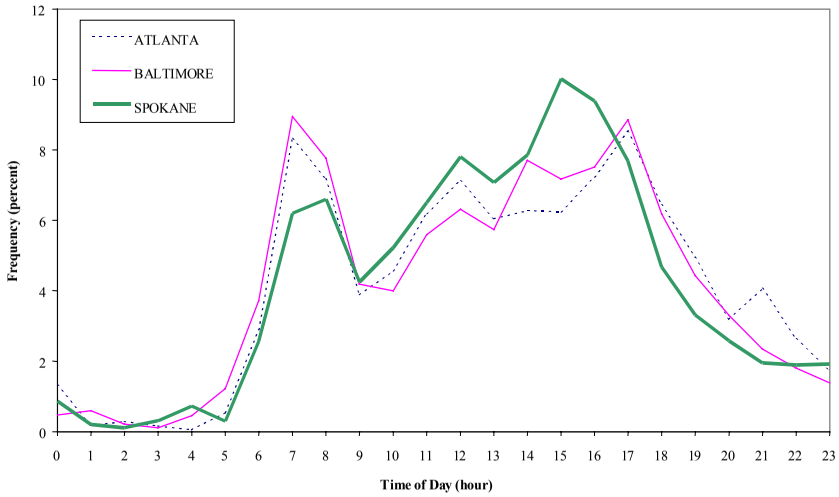

Figure 7.6-2. Weekday Time-On Activity Distribution for Trips in Atlanta, Baltimore, and Spokane.

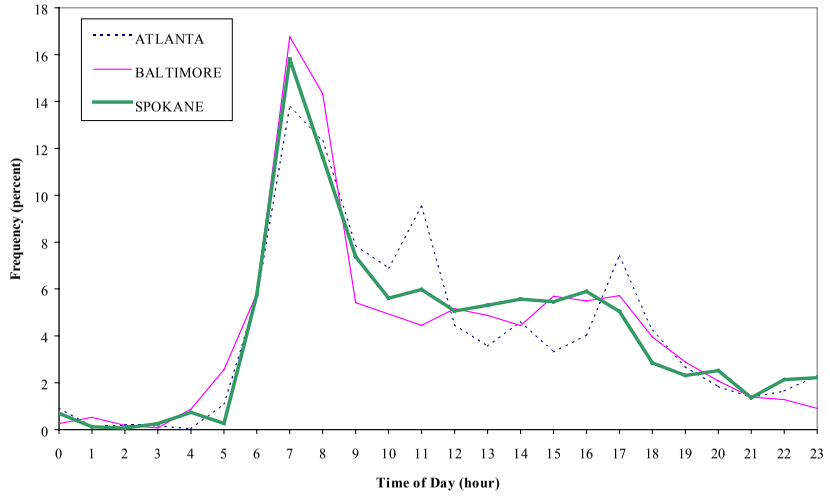

Figure 7.6-3. Weekday Time-Off Activity Distribution for Trips in Atlanta, Baltimore, and Spokane.

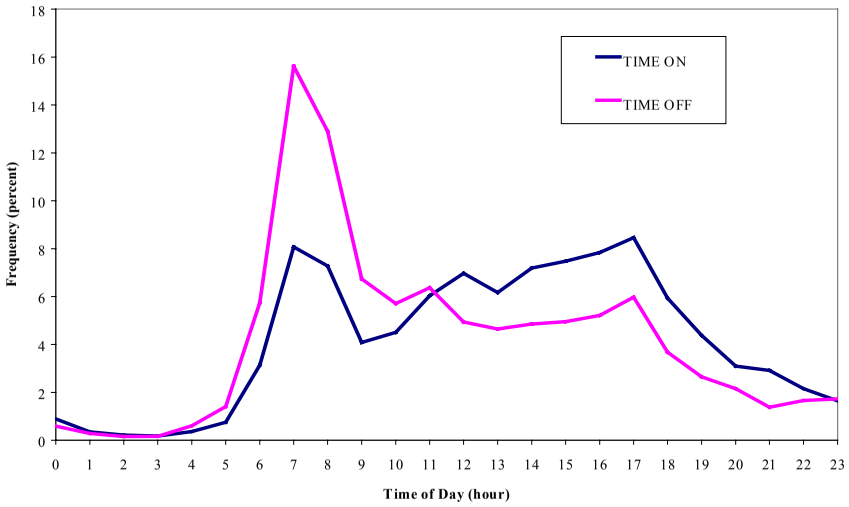

Figure 7.6-4. Combined Weekday Time-On and Off Activity Distribution.

7.6.5 Trip-Starts and Trip-Ends

The frequencies of trip-starts and trip-ends were determined on an hourly basis and are shown in Figure 7.6-5 and Figure 7.6-6. For this analysis, the frequencies of trip-starts and ends for a given hour were defined as the total trips (starts or ends) for all hours divided into the total trips (starts or ends) for that given hour. There are two distinct trip episodes, one for the morning commute and an additional increase in trips for midday, starting at approximately 11 a.m. These results show that the "typical" home-to-work and work-to-home commuter does not exist, unless they are going home at lunchtime. A substantial percentage of trips are occurring between 11 a.m. and 6 p.m. The specific reason for this increase is unknown, however, it is believed people are trying to accomplish multiple errands during the lunch hour or during the afternoon hours.

Figure 7.6-7 compares the combined trip-start and trip-end profiles for EMFAC2000 to the trip-starts in MVEI7G. As can be seen in the figures, similar results for trip-starts and trip-ends were produced. This result is not surprising since most trips are less than an hour in length, thus ending in the same hour as the trip originated. The relatively small deviations from trip-starts and ends are the result of trips crossing different hours of operation. To compare composite trip-starts to the estimates from MVEI7G, the percentage of trip-starts for each period had to be evenly distributed within the period. The two trip-start profiles show reasonable agreement even though MVEI7G divides trip-starts into 6 uneven time periods[1]. The weekday trip-start and trip-end matrices programmed into EMFAC2000 are shown in Table 7.6-4 of Appendix 7.6-2.

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1 Air Resource Board, *Methodology for Estimating Emissions from On-Road Motor Vehicles,* November, 1996.

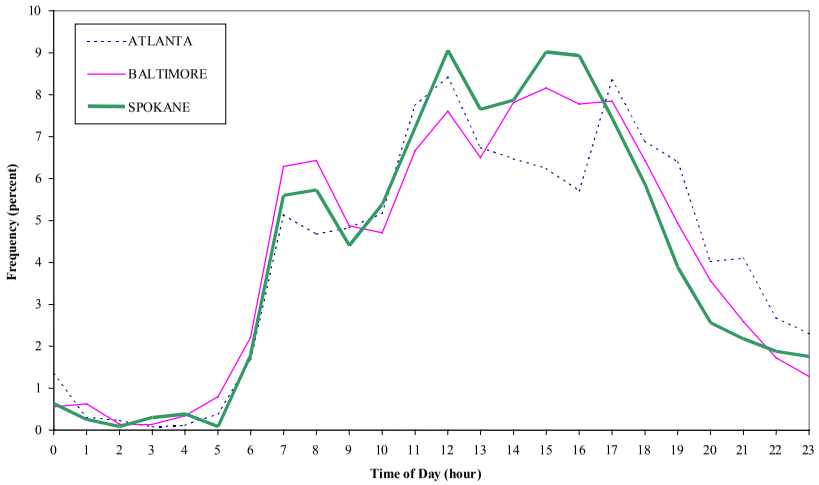

Figure 7.6-5. Weekday Trips-Starts Distribution for Atlanta, Baltimore, and Spokane.

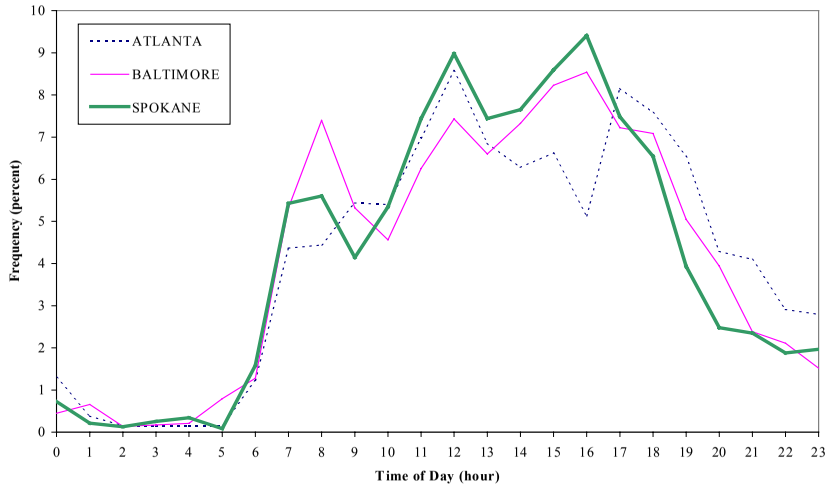

Figure 7.6-6. Weekday Trips-Ends Distribution for Atlanta, Baltimore, and Spokane.

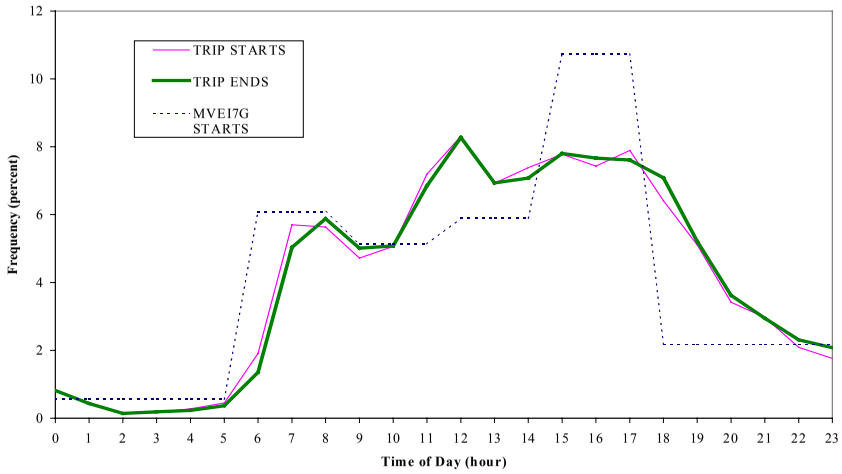

Figure 7.6-7. Combined Trip-Start and Trip-End Distribution Compared to MVEI7G.

7.6.6 <u>Vehicle Miles Traveled</u>

The distribution of VMT by time of day for the three cities was also determined and is shown in Figure 7.6-8. The composite VMT results and the current VMT estimate for MVEI7G are shown in Figure 7.6-9. The total VMT for each hour is the distance traveled summed across all vehicle trips which started during that hour. Like the distribution of trip-starts and trip-ends, there is an increase in the VMT for the morning commute and then an additional increase during the afternoon hours. The increase in VMT during the morning commute corresponds to the increase in the number of trip-starts of longer duration. In addition, there is an increase in VMT in the afternoon hours which corresponds to the increase in trips of shorter duration. An investigation of the mean distance per trip showed a noticeable increase in the distance per trip for the morning hours relative to the afternoon hours. This increase can be noted in Figures 7.6-9 and 7.6-10, which show a modest increase in the VMT and a substantial decrease in mean trip time-on during the afternoon hours, respectively.

The composite weekday VMT distribution by hour of the day is shown graphically in Figure 7.6-15 of Appendix 7.6-1. The composite weekday VMT input matrix is also shown in Table 7.6-5 of Appendix 7.6-2.

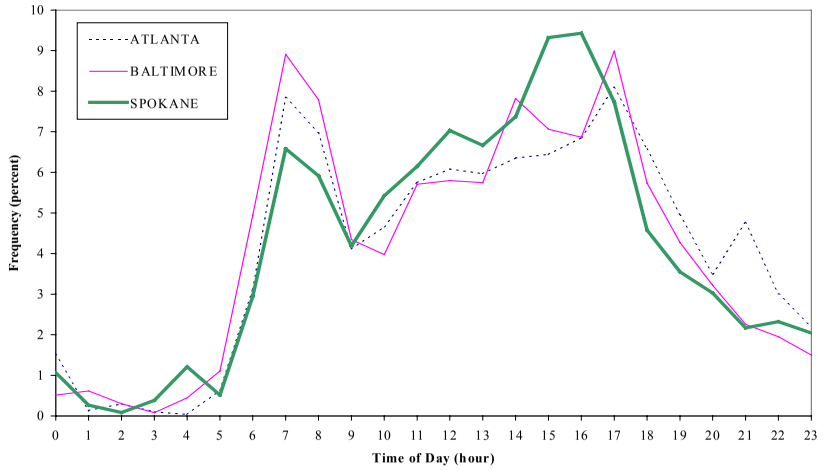

Figure 7.6-8. Weekday VMT Distribution for Atlanta, Baltimore, and Spokane.

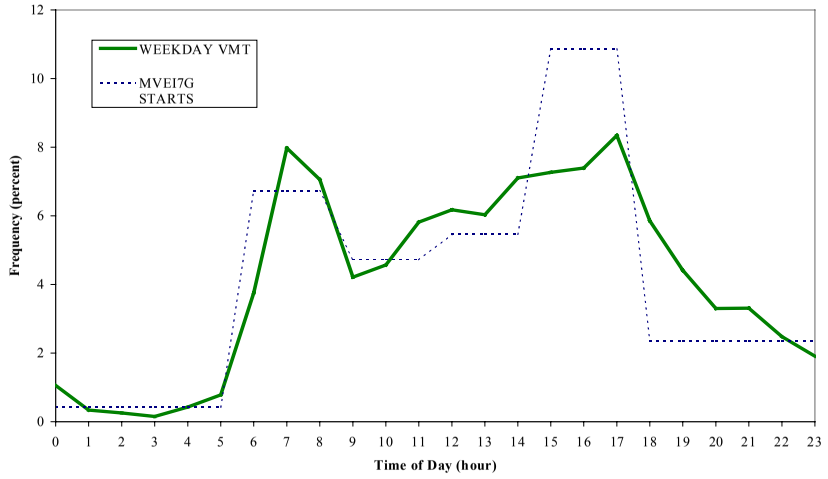

Figure 7.6-9. Combined Weekday VMT Distribution Compared to MVEI7G.

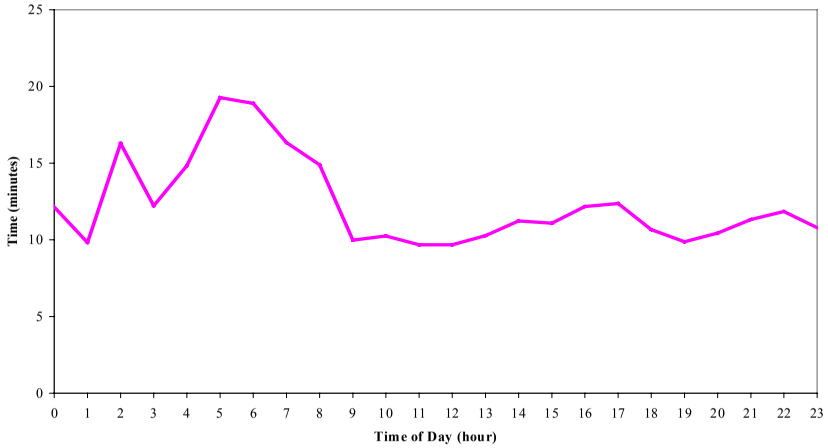

Figure 7.6-10. Composite Weekday Mean Time-on Distribution.

7.6.7 Speed Frequency Distribution

A composite weekday trip mean speed distribution was developed for the three cities and is shown in Figure 7.6-11. The weekday trip mean speed distribution was developed by first calculating the mean speed of each trip and then applying a count to the appropriate mean speed bin. Each mean speed bin was then divided by the total trips for the matrix to estimate the frequency distribution. A trip is a key-on to key-off event and includes all idle time during the trip. Figure 7.6-11 shows that a majority of trips have a mean speed of approximately 30mph. The idle time decreases the mean speed of trips.

Table 7.6-6 of Appendix 7.6-2 shows the composite weekday trip mean speed frequency distribution by hour of the day. The mean speed input matrix for EMFAC2000 is 16 X 24 and includes a range of mean speeds from 0 to 75mph.

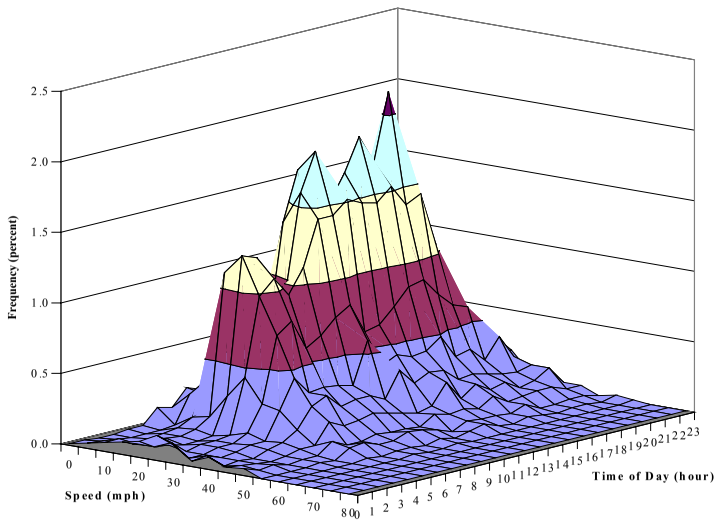

Figure 7.6-11. Combined Weekday Trip Mean Speed Frequency Distribution by Hour of Day for Atlanta, Baltimore, and Spokane.

7.6.8 Resting Time

Resting time is similar to time-off, however, the amount of time off is applied to the end of the trip. Figure 7.6-12 shows the percentage of the fleet at rest for all three cities combined. Almost 100 percent of the fleet is at rest during the evening hours from 12:00 a.m. to 5:00 a.m. There is a distinctive decrease in the amount of the fleet at rest between the hours of 5:00 a.m. and 7:00 a.m. This corresponds to the morning commute to work. There is a small increase in the percentage of vehicles at rest in the mid morning hours. From 11:00 a.m. to approximately 5:00 p.m. the percentage of the fleet at rest remains fairly constant at 70 percent. After 5:00 p.m. there is a constant increase in the percentage of vehicles at rest until 11:00 p.m.

A composite weekday resting time distribution graph by hour of the day and duration is shown in Figure 7.6-16 of Appendix 7.6-1. Table 7.6-7 of Appendix 7.6-2 shows the 129 X 24 resting time distribution matrix that is used in estimating evaporative emissions for EMFAC2000. The

resting time bins were assigned a range varying from a resting time of 5 minutes to as long as 4 days.

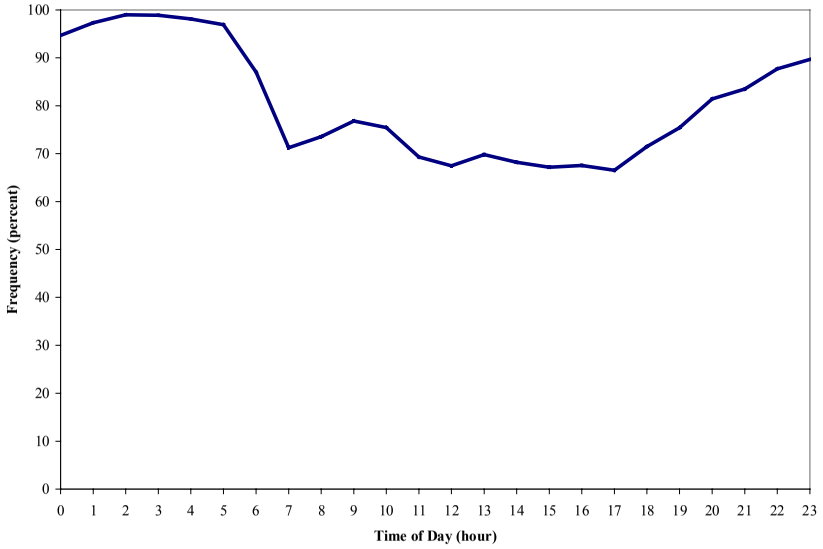

Figure 7.6-12. Percentage of Fleet at Rest for a Weekday.

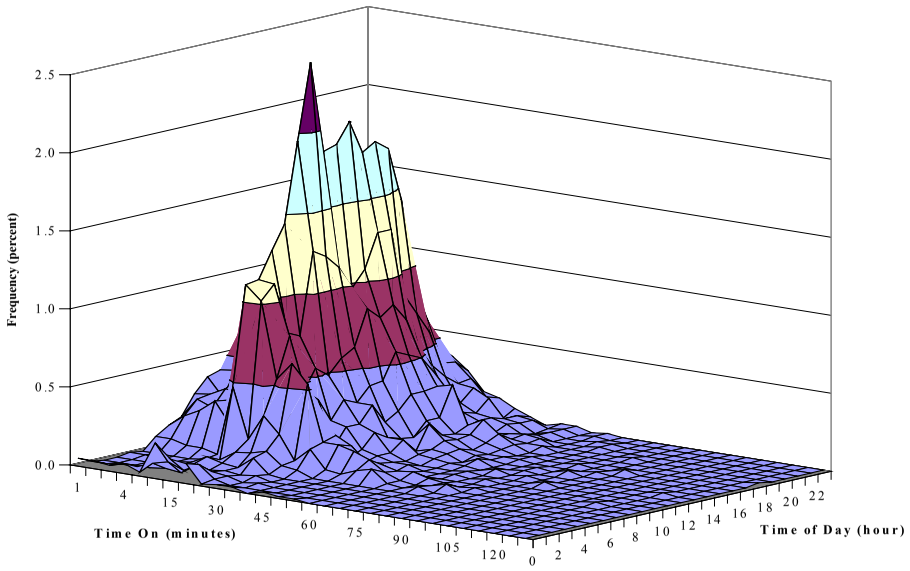

Figure 7.6-13. Combined Weekday Time-On Distribution by hour of day for Atlanta, Baltimore, and Spokane.

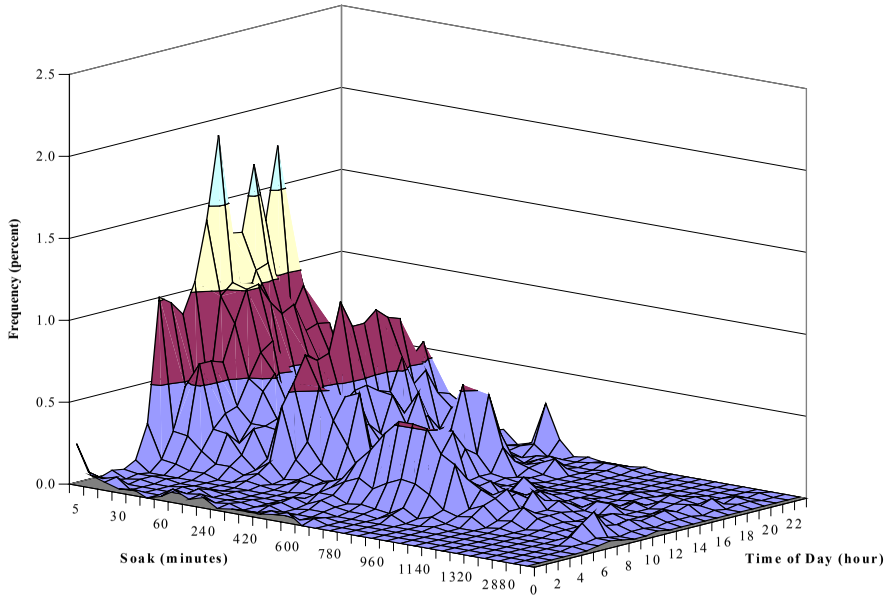

Figure 7.6-14. Combined Weekday Soak Time Distribution by Hour of the Day and Duration for Atlanta, Baltimore, and Spokane.

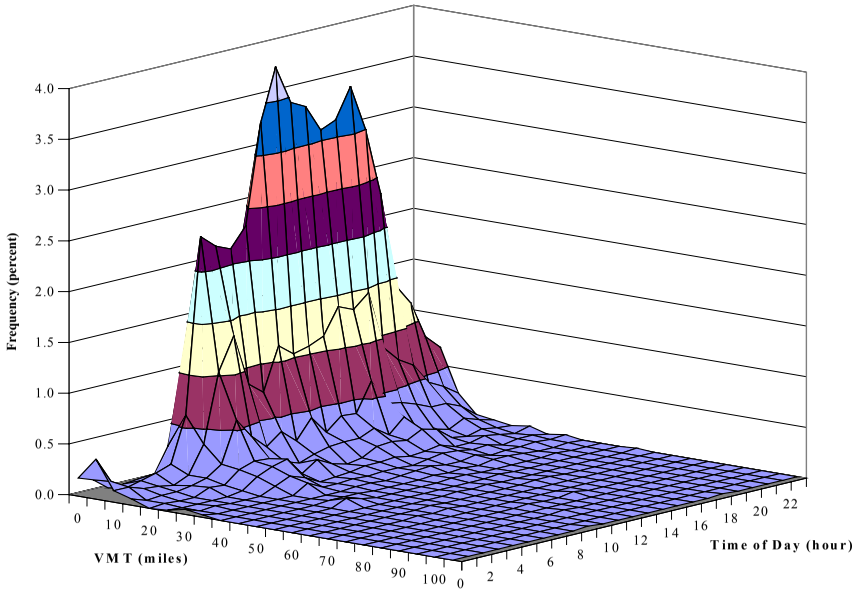

Figure 7.6-15. Combined Weekday VMT Frequency Distribution by hour of day for Atlanta, Baltimore, and Spokane.

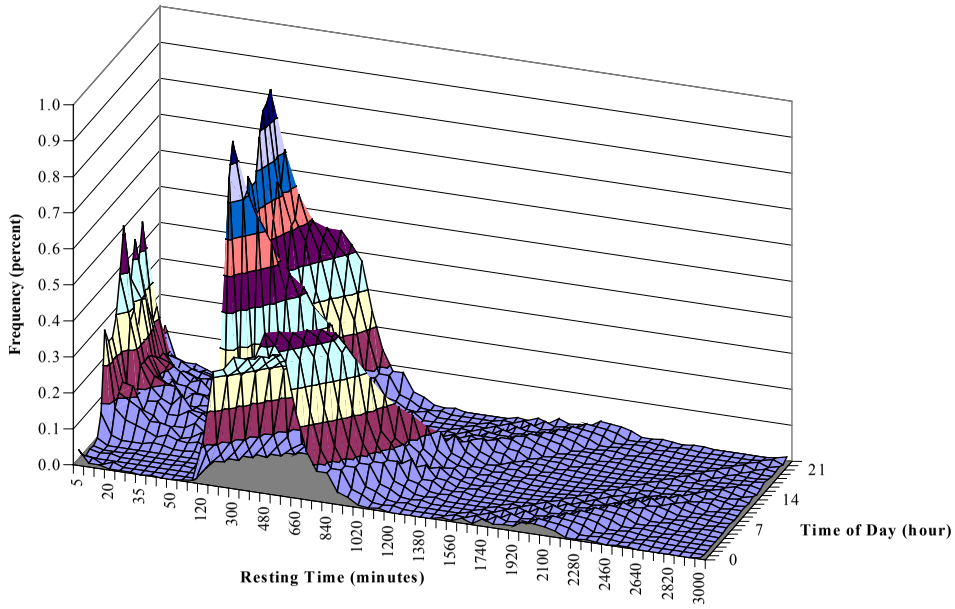

Figure 7.6-16. Combined Weekday Resting Time Distribution by Hour of the Day and Duration for Atlanta, Baltimore, and Spokane.

Table 7.6-2. Composite Weekday Time-On Frequency Distribution.

TIME OF DAY (hour)	1 MINUTES ON (%)	2 MINUTES ON (%)	3 MINUTES ON (%)	4 MINUTES ON (%)	5 MINUTES ON (%)	10 MINUTES ON (%)	15 MINUTES ON (%)	20 MINUTES ON (%)	25 MINUTES ON (%)	30 MINUTES ON (%)	35 MINUTES ON (%)	40 MINUTES ON (%)
0	0.05	0.05	0.04	0.06	0.03	0.23	0.14	0.13	0.01	0.03	0.03	0.00
1	0.01	0.01	0.03	0.03	0.06	0.09	0.05	0.10	0.03	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.01	0.00	0.06	0.04	0.03	0.00	0.01	0.00
3	0.00	0.00	0.00	0.04	0.01	0.04	0.01	0.03	0.01	0.03	0.00	0.00
4	0.01	0.01	0.00	0.00	0.01	0.06	0.04	0.03	0.10	0.01	0.00	0.00
5	0.00	0.00	0.00	0.00	0.01	0.03	0.09	0.10	0.13	0.05	0.04	0.00
6	0.08	0.08	0.05	0.05	0.03	0.47	0.15	0.32	0.22	0.06	0.15	0.04
7	0.13	0.20	0.26	0.33	0.19	1.11	1.02	0.54	0.65	0.54	0.18	0.18
8	0.17	0.29	0.26	0.32	0.23	1.12	1.11	0.79	0.46	0.27	0.20	0.15
9	0.29	0.31	0.36	0.34	0.34	1.29	0.78	0.41	0.38	0.09	0.04	0.03
10	0.38	0.27	0.40	0.36	0.29	1.44	0.74	0.55	0.23	0.20	0.08	0.05
11	0.41	0.42	0.61	0.68	0.56	1.95	1.26	0.48	0.34	0.20	0.17	0.05
12	0.42	0.78	0.66	0.59	0.68	2.44	1.21	0.57	0.31	0.31	0.11	0.11
13	0.31	0.46	0.47	0.46	0.79	1.85	1.12	0.62	0.40	0.18	0.09	0.03
14	0.47	0.56	0.38	0.69	0.47	1.87	0.97	0.85	0.41	0.23	0.08	0.18
15	0.34	0.60	0.52	0.64	0.52	2.00	1.07	0.78	0.57	0.32	0.17	0.09
16	0.32	0.48	0.45	0.50	0.46	1.79	1.29	0.84	0.54	0.32	0.17	0.08
17	0.41	0.52	0.56	0.37	0.59	1.84	1.29	0.73	0.50	0.33	0.36	0.11
18	0.32	0.33	0.61	0.57	0.47	1.77	0.85	0.52	0.38	0.27	0.06	0.10
19	0.33	0.32	0.46	0.45	0.43	1.43	0.71	0.40	0.20	0.13	0.09	0.03
20	0.22	0.27	0.20	0.23	0.29	0.87	0.57	0.31	0.15	0.10	0.09	0.06
21	0.14	0.23	0.27	0.22	0.32	0.62	0.36	0.24	0.23	0.18	0.06	0.05
22	0.09	0.14	0.15	0.14	0.20	0.42	0.34	0.26	0.15	0.03	0.06	0.05
23	0.23	0.15	0.10	0.14	0.06	0.34	0.27	0.15	0.13	0.08	0.04	0.00

Table 7.6-2 (cont.). Composite Weekday Time-On Frequency Distribution.

TIME OF DAY (hour)	45 MINUTES ON (%)	50 MINUTES ON (%)	55 MINUTES ON (%)	60 MINUTES ON (%)	65 MINUTES ON (%)	70 MINUTES ON (%)	75 MINUTES ON (%)	80 MINUTES ON (%)	85 MINUTES ON (%)	90 MINUTES ON (%)	95 MINUTES ON (%)	100 MINUTES ON (%)
0	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.03	0.06	0.09	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
7	0.15	0.11	0.05	0.01	0.00	0.01	0.04	0.00	0.00	0.00	0.00	0.00
8	0.06	0.06	0.04	0.05	0.03	0.01	0.00	0.01	0.00	0.00	0.00	0.00
9	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.03	0.03	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00
11	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.00
12	0.04	0.03	0.01	0.01	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00
13	0.05	0.04	0.00	0.04	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
14	0.09	0.05	0.03	0.01	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00
15	0.08	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00
16	0.09	0.05	0.03	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.03	0.00
17	0.17	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.04	0.04	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.04	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
20	0.01	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.03	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
22	0.01	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.03	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 7.6-2 (cont.). Composite Weekday Time-On Frequency Distribution.

TIME OF DAY (hour)	105 MINUTES ON (%)	110 MINUTES ON (%)	115 MINUTES ON (%)	120 MINUTES ON (%)	125 MINUTES ON (%)	130 MINUTES ON (%)	TOTAL FLEET DISTRIBUTION (%)
0	0.00	0.00	0.00	0.00	0.00	0.00	0.84
1	0.00	0.00	0.00	0.00	0.00	0.00	2.41
2	0.00	0.00	0.00	0.00	0.00	0.00	4.15
3	0.00	0.00	0.00	0.00	0.00	0.00	6.17
4	0.00	0.00	0.00	0.00	0.00	0.00	8.28
5	0.00	0.00	0.00	0.00	0.00	0.00	10.45
6	0.00	0.00	0.00	0.00	0.00	0.00	13.91
7	0.00	0.00	0.00	0.00	0.00	0.00	19.70
8	0.00	0.00	0.00	0.00	0.00	0.00	21.64
9	0.00	0.00	0.01	0.00	0.00	0.00	22.72
10	0.00	0.00	0.00	0.00	0.00	0.00	25.06
11	0.00	0.00	0.00	0.00	0.00	0.00	29.19
12	0.00	0.00	0.00	0.00	0.00	0.00	32.31
13	0.00	0.00	0.00	0.01	0.00	0.00	32.92
14	0.00	0.00	0.00	0.00	0.00	0.00	35.38
15	0.00	0.00	0.00	0.00	0.00	0.00	37.78
16	0.00	0.00	0.00	0.00	0.00	0.00	39.43
17	0.00	0.00	0.00	0.00	0.00	0.00	41.89
18	0.00	0.00	0.00	0.00	0.00	0.01	42.41
19	0.00	0.00	0.00	0.00	0.00	0.00	43.11
20	0.00	0.00	0.00	0.00	0.00	0.00	43.42
21	0.00	0.00	0.00	0.00	0.00	0.00	44.97
22	0.00	0.00	0.00	0.00	0.00	0.00	46.09
23	0.00	0.00	0.00	0.00	0.00	0.00	47.76

Table 7.6-3. Composite Weekday Time-Off Frequency Distribution.

TIME OF DAY (hour)	5 MINUTES OFF (%)	10 MINUTES OFF (%)	20 MINUTES OFF (%)	30 MINUTES OFF (%)	40 MINUTES OFF (%)	50 MINUTES OFF (%)	60 MINUTES OFF (%)	120 MINUTES OFF (%)	180 MINUTES OFF (%)	240 MINUTES OFF (%)	300 MINUTES OFF (%)	360 MINUTES OFF (%)
0	0.26	0.08	0.05	0.03	0.04	0.00	0.03	0.08	0.04	0.06	0.01	0.03
1	0.06	0.04	0.06	0.00	0.00	0.00	0.05	0.04	0.05	0.01	0.03	0.00
2	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.01	0.01	0.00
3	0.04	0.00	0.01	0.00	0.00	0.01	0.00	0.03	0.01	0.00	0.01	0.00
4	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
5	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.27	0.06	0.05	0.03	0.03	0.00	0.00	0.03	0.01	0.00	0.00	0.01
7	1.02	0.22	0.20	0.13	0.06	0.06	0.03	0.05	0.00	0.01	0.05	0.04
8	0.97	0.47	0.62	0.24	0.23	0.11	0.04	0.10	0.01	0.03	0.00	0.01
9	0.88	0.43	0.62	0.32	0.15	0.26	0.09	0.42	0.11	0.04	0.01	0.00
10	1.06	0.38	0.60	0.34	0.26	0.26	0.24	0.55	0.20	0.09	0.00	0.03
11	1.42	0.97	0.82	0.50	0.43	0.28	0.17	0.70	0.52	0.33	0.19	0.03
12	1.91	1.03	1.01	0.64	0.52	0.33	0.32	0.65	0.29	0.46	0.50	0.08
13	1.30	0.85	1.02	0.69	0.28	0.29	0.27	0.68	0.38	0.24	0.15	0.14
14	1.29	1.07	0.89	0.46	0.43	0.27	0.26	0.97	0.45	0.26	0.14	0.10
15	1.68	1.10	0.80	0.43	0.40	0.31	0.27	0.80	0.46	0.18	0.11	0.17
16	1.33	0.87	0.84	0.55	0.34	0.29	0.22	0.80	0.41	0.40	0.23	0.10
17	1.76	0.75	0.66	0.48	0.36	0.27	0.24	0.87	0.38	0.27	0.41	0.14
18	1.20	0.91	0.69	0.50	0.29	0.19	0.22	0.80	0.57	0.19	0.11	0.17
19	0.92	0.38	0.68	0.42	0.31	0.23	0.26	0.78	0.40	0.22	0.04	0.13
20	0.50	0.27	0.27	0.28	0.19	0.18	0.14	0.52	0.46	0.11	0.17	0.09
21	0.64	0.22	0.27	0.13	0.14	0.10	0.06	0.60	0.31	0.23	0.09	0.05
22	0.36	0.19	0.13	0.11	0.04	0.04	0.06	0.20	0.28	0.23	0.13	0.10
23	0.32	0.09	0.15	0.06	0.03	0.03	0.05	0.19	0.15	0.08	0.06	0.09
TOTAL	19.27	10.40	10.47	6.35	4.53	3.51	3.00	9.91	5.53	3.44	2.46	1.49

Table 7.6-3 (cont.) Composite Weekday Time-Off Frequency Distribution.

TIME OF DAY (hour)	420 MINUTES OFF (%)	480 MINUTES OFF (%)	540 MINUTES OFF (%)	600 MINUTES OFF (%)	660 MINUTES OFF (%)	720 MINUTES OFF (%)	780 MINUTES OFF (%)	840 MINUTES OFF (%)	900 MINUTES OFF (%)	960 MINUTES OFF (%)	1020 MINUTES OFF (%)	1080 MINUTES OFF (%)
0	0.03	0.03	0.04	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	0.00	0.03	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.03	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.04	0.01	0.05	0.03	0.01	0.01	0.00	0.04	0.00	0.00	0.01	0.00
5	0.01	0.06	0.06	0.03	0.04	0.03	0.01	0.06	0.01	0.04	0.01	0.00
6	0.01	0.08	0.13	0.17	0.11	0.17	0.20	0.19	0.14	0.06	0.04	0.05
7	0.08	0.11	0.23	0.32	0.43	0.52	0.52	0.51	0.37	0.32	0.06	0.10
8	0.01	0.09	0.09	0.18	0.22	0.27	0.26	0.26	0.48	0.22	0.17	0.13
9	0.03	0.01	0.03	0.08	0.11	0.06	0.17	0.10	0.10	0.15	0.11	0.17
10	0.03	0.01	0.03	0.05	0.09	0.09	0.08	0.08	0.04	0.17	0.06	0.00
11	0.03	0.01	0.00	0.01	0.05	0.03	0.06	0.01	0.05	0.10	0.09	0.06
12	0.00	0.06	0.00	0.00	0.03	0.03	0.03	0.05	0.05	0.06	0.04	0.03
13	0.09	0.04	0.05	0.01	0.00	0.00	0.03	0.01	0.04	0.03	0.06	0.01
14	0.20	0.10	0.08	0.03	0.01	0.00	0.01	0.00	0.10	0.04	0.03	0.00
15	0.23	0.18	0.28	0.18	0.03	0.00	0.00	0.00	0.03	0.01	0.01	0.00
16	0.06	0.13	0.54	0.13	0.03	0.01	0.00	0.01	0.00	0.00	0.01	0.00
17	0.03	0.10	0.42	0.47	0.17	0.00	0.01	0.00	0.00	0.00	0.00	0.01
18	0.05	0.01	0.08	0.22	0.06	0.04	0.01	0.00	0.00	0.00	0.00	0.00
19	0.10	0.06	0.01	0.00	0.03	0.05	0.09	0.00	0.00	0.00	0.00	0.00
20	0.04	0.04	0.04	0.00	0.04	0.03	0.01	0.00	0.01	0.00	0.00	0.00
21	0.04	0.03	0.00	0.03	0.04	0.00	0.00	0.00	0.01	0.00	0.00	0.00
22	0.03	0.04	0.06	0.00	0.00	0.00	0.01	0.03	0.03	0.01	0.00	0.00
23	0.01	0.04	0.29	0.09	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00
TOTAL	1.19	1.28	2.52	2.08	1.53	1.34	1.50	1.35	1.47	1.22	0.71	0.56

Table 7.6-3 (cont.) Composite Weekday Time-Off Frequency Distribution.

TIME OF DAY (hour)	1140 MINUTES OFF (%)	1200 MINUTES OFF (%)	1260 MINUTES OFF (%)	1320 MINUTES OFF (%)	1380 MINUTES OFF (%)	1440 MINUTES OFF (%)	2880 MINUTES OFF (%)	4320 MINUTES OFF (%)	5760 MINUTES OFF (%)
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
6	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.01	0.01
7	0.03	0.04	0.00	0.01	0.01	0.00	0.10	0.03	0.03
8	0.06	0.10	0.05	0.03	0.01	0.00	0.15	0.01	0.01
9	0.05	0.05	0.05	0.03	0.01	0.01	0.05	0.00	0.00
10	0.15	0.05	0.05	0.01	0.03	0.00	0.04	0.01	0.00
11	0.08	0.09	0.04	0.01	0.04	0.00	0.05	0.01	0.01
12	0.04	0.05	0.03	0.01	0.04	0.01	0.03	0.00	0.00
13	0.04	0.01	0.06	0.06	0.01	0.01	0.04	0.01	0.00
14	0.04	0.03	0.04	0.01	0.01	0.01	0.05	0.01	0.00
15	0.01	0.00	0.00	0.04	0.01	0.03	0.03	0.01	0.00
16	0.00	0.00	0.01	0.00	0.04	0.04	0.05	0.00	0.00
17	0.00	0.03	0.01	0.00	0.00	0.01	0.03	0.01	0.00
18	0.00	0.01	0.00	0.03	0.01	0.00	0.05	0.00	0.00
19	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	0.50	0.47	0.34	0.24	0.24	0.13	0.74	0.17	0.06

Table 7.6-4. Composite Weekday Trip Start and Trip End Frequency Distributions.

TIME OF DAY (hour)	TRIP STARTS (%)	TRIP ENDS (%)
0	0.84	0.82
1	0.41	0.43
2	0.15	0.14
3	0.17	0.19
4	0.28	0.23
5	0.45	0.37
6	1.91	1.35
7	5.70	5.04
8	5.64	5.88
9	4.72	5.01
10	5.06	5.07
11	7.19	6.85
12	8.31	8.27
13	6.92	6.94
14	7.38	7.08
15	7.78	7.80
16	7.43	7.66
17	7.89	7.61
18	6.41	7.09
19	5.11	5.21
20	3.42	3.62
21	2.97	2.95
22	2.09	2.31
23	1.76	2.08

Table 7.6-5. Composite Weekday VMT Frequency Distribution.

TIME OF DAY (hour)	0 VMT (%)	5 VMT (%)	10 VMT (%)	15 VMT (%)	20 VMT (%)	25 VMT (%)	30 VMT (%)	35 VMT (%)	40 VMT (%)	45 VMT (%)	50 VMT (%)	55 VMT (%)
0	0.18	0.40	0.11	0.06	0.00	0.01	0.05	0.03	0.00	0.00	0.00	0.00
1	0.13	0.14	0.11	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.01	0.04	0.06	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
3	0.01	0.08	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.03	0.11	0.03	0.05	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.01	0.17	0.09	0.09	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00
6	0.28	0.61	0.36	0.19	0.17	0.13	0.06	0.00	0.00	0.01	0.06	0.00
7	1.08	2.34	1.03	0.59	0.22	0.19	0.13	0.09	0.00	0.01	0.03	0.00
8	1.12	2.21	1.35	0.40	0.20	0.23	0.08	0.01	0.00	0.01	0.00	0.00
9	1.25	2.14	0.84	0.26	0.14	0.05	0.00	0.01	0.01	0.00	0.00	0.00
10	1.34	2.34	0.73	0.37	0.09	0.15	0.01	0.03	0.01	0.00	0.00	0.00
11	2.19	3.32	1.15	0.24	0.14	0.08	0.03	0.01	0.00	0.00	0.00	0.00
12	2.72	3.83	1.03	0.43	0.18	0.04	0.05	0.03	0.01	0.00	0.00	0.00
13	1.76	3.45	1.07	0.26	0.19	0.06	0.05	0.03	0.03	0.01	0.01	0.00
14	2.02	3.37	1.14	0.38	0.19	0.14	0.06	0.01	0.04	0.00	0.01	0.00
15	2.36	3.10	1.39	0.37	0.26	0.15	0.04	0.04	0.01	0.01	0.00	0.01
16	1.88	3.16	1.33	0.65	0.15	0.13	0.05	0.06	0.01	0.00	0.00	0.00
17	1.90	3.46	1.45	0.40	0.29	0.20	0.08	0.05	0.04	0.03	0.00	0.00
18	1.80	3.00	0.88	0.37	0.10	0.17	0.03	0.03	0.00	0.03	0.00	0.00
19	1.49	2.34	0.73	0.32	0.10	0.05	0.03	0.04	0.01	0.01	0.00	0.00
20	0.96	1.39	0.64	0.26	0.06	0.03	0.06	0.00	0.01	0.00	0.01	0.00
21	0.80	1.19	0.43	0.26	0.14	0.06	0.04	0.03	0.03	0.00	0.00	0.00
22	0.54	0.82	0.36	0.19	0.09	0.04	0.01	0.03	0.01	0.01	0.00	0.00
23	0.59	0.68	0.26	0.08	0.05	0.03	0.05	0.00	0.03	0.00	0.00	0.00
TOTAL	26.45	43.65	16.63	6.27	2.90	1.97	0.92	0.51	0.26	0.14	0.13	0.01

Table 7.6-5 (cont.) Composite Weekday VMT Frequency Distribution.

TIME OF DAY (hour)	60 VMT (%)	65 VMT (%)	70 VMT (%)	75 VMT (%)	80 VMT (%)	85 VMT (%)	90 VMT (%)	95 VMT (%)	100 VMT (%)	105 VMT (%)	110 VMT (%)
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	0.04	0.04	0.03	0.00	0.04	0.00	0.01	0.00	0.00	0.00	0.03

Table 7.6-6. Composite Weekday Mean Trip Speed Frequency Distribution.

TIME OF DAY (hour)	0 MPH SPEED (%)	5 MPH SPEED (%)	10 MPH SPEED (%)	15 MPH SPEED (%)	20 MPH SPEED (%)	25 MPH SPEED (%)	30 MPH SPEED (%)	35 MPH SPEED (%)	40 MPH SPEED (%)	45 MPH SPEED (%)	50 MPH SPEED (%)	55 MPH SPEED (%)
0	0.01	0.04	0.06	0.09	0.11	0.18	0.13	0.04	0.09	0.04	0.05	0.00
1	0.01	0.03	0.06	0.05	0.05	0.10	0.01	0.05	0.00	0.03	0.01	0.00
2	0.00	0.01	0.00	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.03	0.00
3	0.00	0.00	0.01	0.04	0.01	0.04	0.04	0.03	0.00	0.00	0.00	0.00
4	0.01	0.00	0.03	0.03	0.01	0.04	0.04	0.05	0.04	0.01	0.01	0.01
5	0.01	0.00	0.04	0.05	0.03	0.05	0.09	0.05	0.06	0.04	0.01	0.00
6	0.11	0.01	0.09	0.11	0.28	0.43	0.27	0.24	0.13	0.04	0.09	0.06
7	0.09	0.20	0.33	1.11	1.25	0.98	0.73	0.45	0.27	0.18	0.04	0.08
8	0.20	0.18	0.43	0.85	1.21	1.08	0.80	0.32	0.32	0.13	0.04	0.04
9	0.17	0.22	0.37	0.71	0.92	0.94	0.59	0.33	0.22	0.14	0.06	0.04
10	0.19	0.28	0.43	0.61	0.93	1.11	0.65	0.32	0.24	0.17	0.05	0.08
11	0.15	0.34	0.73	1.37	1.59	1.43	0.75	0.29	0.24	0.14	0.05	0.06
12	0.17	0.41	0.96	1.71	1.86	1.43	0.82	0.59	0.19	0.11	0.04	0.04
13	0.04	0.41	0.63	1.29	1.48	1.52	0.60	0.38	0.37	0.09	0.10	0.00
14	0.24	0.31	0.74	1.37	1.66	1.47	0.63	0.43	0.26	0.11	0.08	0.05
15	0.18	0.38	0.87	1.17	1.89	1.44	0.73	0.40	0.31	0.26	0.09	0.04
16	0.18	0.27	0.70	1.31	1.68	1.53	0.84	0.41	0.29	0.11	0.06	0.04
17	0.24	0.34	0.57	1.28	2.16	1.38	0.87	0.48	0.20	0.19	0.13	0.03
18	0.10	0.26	0.69	1.10	1.29	1.43	0.74	0.32	0.22	0.13	0.06	0.06
19	0.10	0.24	0.46	0.73	1.11	1.06	0.64	0.34	0.19	0.15	0.08	0.01
20	0.08	0.20	0.28	0.52	0.50	0.63	0.60	0.24	0.17	0.09	0.09	0.01
21	0.06	0.11	0.27	0.36	0.63	0.43	0.33	0.38	0.15	0.11	0.09	0.03
22	0.15	0.05	0.13	0.24	0.26	0.43	0.18	0.22	0.18	0.18	0.05	0.03
23	0.13	0.11	0.15	0.22	0.31	0.29	0.22	0.09	0.10	0.05	0.05	0.00
TOTAL	2.64	4.41	9.03	16.33	21.26	19.45	11.29	6.47	4.25	2.51	1.37	0.70

Table 7.6-6 (cont.) Composite Weekday Mean Trip Speed Frequency Distribution.

TIME OF DAY (hour)	60 MPH SPEED (%)	65 MPH SPEED (%)	70 MPH SPEED (%)	75 MPH SPEED (%)
0	0.00	0.00	0.00	0.00
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.01	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.01	0.01	0.00	0.00
9	0.01	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00
11	0.03	0.01	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.03	0.00	0.00	0.00
14	0.05	0.00	0.00	0.00
15	0.01	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.03	0.00	0.00	0.00
18	0.01	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00
20	0.01	0.00	0.00	0.00
21	0.01	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.03	0.01	0.00	0.00

TOTAL	0.24	0.04	0.00	0.00

Table 7.6-7. Composite Weekday Resting Time Frequency Distribution.

Time of Day (hour)	Resting 5 min (%)	Resting 10 min (%)	Resting 15 min (%)	Resting 20 min (%)	Resting 25 min (%)	Resting 30 min (%)	Resting 35 min (%)	Resting 40 min (%)	Resting 45 min (%)	Resting 50 min (%)	Resting 55 min (%)	Resting 60 min (%)
0	0.05	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
1	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.07	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00
7	0.29	0.08	0.05	0.04	0.03	0.02	0.03	0.02	0.01	0.02	0.01	0.01
8	0.25	0.11	0.09	0.08	0.05	0.05	0.04	0.01	0.02	0.03	0.01	0.02
9	0.25	0.13	0.12	0.06	0.05	0.02	0.03	0.03	0.05	0.02	0.03	0.03
10	0.30	0.11	0.08	0.07	0.08	0.05	0.05	0.06	0.05	0.03	0.03	0.02
11	0.40	0.28	0.16	0.10	0.07	0.06	0.09	0.05	0.05	0.03	0.05	0.04
12	0.52	0.29	0.15	0.12	0.10	0.10	0.05	0.05	0.04	0.05	0.05	0.03
13	0.36	0.22	0.16	0.10	0.09	0.07	0.03	0.04	0.05	0.03	0.03	0.04
14	0.35	0.30	0.15	0.08	0.09	0.03	0.06	0.06	0.04	0.03	0.03	0.05
15	0.45	0.29	0.13	0.10	0.07	0.06	0.05	0.05	0.03	0.06	0.02	0.03
16	0.38	0.24	0.12	0.11	0.09	0.06	0.07	0.05	0.03	0.03	0.03	0.03
17	0.47	0.21	0.12	0.08	0.08	0.07	0.04	0.03	0.04	0.04	0.02	0.03
18	0.33	0.23	0.10	0.06	0.06	0.05	0.05	0.05	0.02	0.03	0.03	0.04
19	0.24	0.10	0.09	0.08	0.06	0.05	0.05	0.02	0.02	0.03	0.01	0.02
20	0.14	0.06	0.04	0.03	0.05	0.01	0.02	0.01	0.02	0.01	0.01	0.01
21	0.17	0.06	0.03	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.00
22	0.09	0.05	0.03	0.01	0.02	0.01	0.01	0.00	0.00	0.01	0.00	0.01
23	0.11	0.03	0.02	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.01	0.00

Table 7.6-7 (cont) Composite Weekday Resting Time Frequency Distribution.

Time of Day (hour)	Resting 120 min (%)	Resting 180 min (%)	Resting 240 min (%)	Resting 300 min (%)	Resting 360 min (%)	Resting 420 min (%)	Resting 480 min (%)	Resting 540 min (%)	Resting 600 min (%)	Resting 660 min (%)	Resting 720 min (%)	Resting 780 min (%)
0	0.12	0.32	0.33	0.37	0.37	0.37	0.45	0.41	0.37	0.24	0.14	0.08
1	0.08	0.11	0.30	0.32	0.36	0.37	0.37	0.44	0.41	0.37	0.23	0.13
2	0.03	0.06	0.10	0.29	0.32	0.36	0.36	0.37	0.43	0.41	0.37	0.23
3	0.03	0.03	0.06	0.10	0.29	0.32	0.34	0.36	0.37	0.43	0.41	0.37
4	0.05	0.03	0.03	0.06	0.10	0.29	0.32	0.33	0.34	0.36	0.42	0.41
5	0.08	0.05	0.03	0.03	0.06	0.10	0.29	0.30	0.31	0.32	0.34	0.41
6	0.22	0.08	0.04	0.02	0.02	0.06	0.09	0.24	0.23	0.25	0.26	0.28
7	0.77	0.21	0.08	0.04	0.02	0.02	0.04	0.06	0.19	0.15	0.13	0.18
8	0.86	0.69	0.20	0.07	0.04	0.01	0.01	0.04	0.05	0.15	0.11	0.09
9	0.56	0.71	0.64	0.19	0.07	0.03	0.01	0.01	0.03	0.05	0.11	0.07
10	0.46	0.40	0.62	0.56	0.18	0.07	0.03	0.01	0.01	0.02	0.02	0.10
11	0.51	0.30	0.29	0.52	0.42	0.16	0.06	0.02	0.01	0.01	0.02	0.01
12	0.71	0.31	0.20	0.20	0.46	0.39	0.15	0.05	0.01	0.00	0.00	0.02
13	0.68	0.51	0.21	0.12	0.16	0.41	0.36	0.14	0.03	0.01	0.00	0.00
14	0.67	0.42	0.37	0.15	0.09	0.11	0.34	0.31	0.09	0.02	0.01	0.00
15	0.78	0.44	0.30	0.28	0.11	0.07	0.09	0.29	0.18	0.03	0.01	0.00
16	0.85	0.55	0.36	0.23	0.18	0.07	0.06	0.06	0.15	0.09	0.01	0.01
17	0.86	0.64	0.41	0.30	0.14	0.14	0.07	0.05	0.03	0.03	0.06	0.01
18	0.88	0.61	0.51	0.34	0.28	0.11	0.10	0.06	0.03	0.02	0.02	0.03
19	0.65	0.71	0.52	0.46	0.33	0.25	0.09	0.09	0.05	0.03	0.01	0.01
20	0.57	0.49	0.57	0.49	0.42	0.31	0.24	0.09	0.08	0.04	0.03	0.01
21	0.44	0.46	0.42	0.49	0.45	0.40	0.30	0.23	0.08	0.08	0.03	0.03
22	0.39	0.39	0.40	0.39	0.47	0.42	0.39	0.29	0.18	0.08	0.08	0.03
23	0.33	0.34	0.37	0.37	0.38	0.45	0.42	0.38	0.24	0.14	0.08	0.08

Table 7.6-7 (cont) Composite Weekday Resting Time Frequency Distribution.

Time of Day (hour)	Resting 840 min (%)	Resting 900 min (%)	Resting 960 min (%)	Resting 1020 min (%)	Resting 1080 min (%)	Resting 1140 min (%)	Resting 1200 min (%)	Resting 1260 min (%)	Resting 1320 min (%)	Resting 1380 min (%)	Resting 1440 min (%)	Resting 1500 min (%)
0	0.08	0.03	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
1	0.08	0.08	0.03	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00
2	0.13	0.08	0.08	0.03	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00
3	0.23	0.13	0.08	0.08	0.03	0.02	0.01	0.00	0.01	0.00	0.00	0.00
4	0.37	0.21	0.13	0.08	0.08	0.03	0.02	0.01	0.00	0.01	0.00	0.00
5	0.38	0.34	0.18	0.11	0.08	0.08	0.03	0.02	0.01	0.00	0.01	0.00
6	0.31	0.28	0.28	0.14	0.11	0.06	0.08	0.02	0.02	0.01	0.00	0.01
7	0.18	0.21	0.17	0.23	0.11	0.09	0.04	0.05	0.02	0.02	0.00	0.00
8	0.13	0.13	0.15	0.11	0.19	0.09	0.07	0.03	0.04	0.02	0.01	0.00
9	0.07	0.09	0.09	0.10	0.09	0.16	0.07	0.05	0.02	0.03	0.01	0.01
10	0.05	0.06	0.08	0.06	0.08	0.06	0.12	0.06	0.04	0.02	0.02	0.01
11	0.07	0.03	0.05	0.07	0.05	0.07	0.06	0.09	0.04	0.03	0.01	0.01
12	0.01	0.07	0.02	0.04	0.06	0.04	0.06	0.06	0.08	0.04	0.02	0.01
13	0.01	0.01	0.03	0.02	0.03	0.05	0.03	0.05	0.05	0.06	0.03	0.02
14	0.00	0.01	0.00	0.02	0.02	0.03	0.04	0.02	0.03	0.05	0.06	0.02
15	0.00	0.00	0.01	0.00	0.01	0.01	0.02	0.03	0.02	0.02	0.04	0.05
16	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.02	0.03	0.02	0.02	0.04
17	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.02	0.02	0.02	0.02
18	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.02	0.02	0.02
19	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.02	0.01
20	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.02
21	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00
22	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
23	0.03	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00

Table 7.6-7 (cont) Composite Weekday Resting Time Frequency Distribution.

Time of Day (hour)	Resting 1560 min (%)	Resting 1620 min (%)	Resting 1680 min (%)	Resting 1740 min (%)	Resting 1800 min (%)	Resting 1860 min (%)	Resting 1920 min (%)	Resting 1980 min (%)	Resting 2040 min (%)	Resting 2100 min (%)	Resting 2160 min (%)	Resting 2220 min (%)
0	0.00	0.01	0.00	0.02	0.01	0.01	0.01	0.03	0.03	0.02	0.02	0.00
1	0.01	0.00	0.01	0.00	0.02	0.01	0.01	0.01	0.03	0.03	0.02	0.02
2	0.00	0.01	0.00	0.01	0.00	0.02	0.01	0.01	0.01	0.03	0.03	0.02
3	0.00	0.00	0.01	0.00	0.01	0.00	0.02	0.01	0.01	0.01	0.03	0.03
4	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.02	0.01	0.01	0.01	0.03
5	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.02	0.01	0.01	0.01
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.01	0.01
7	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
8	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
9	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
10	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
11	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.02	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.02	0.02	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
16	0.04	0.02	0.02	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
17	0.03	0.04	0.02	0.02	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00
18	0.02	0.03	0.03	0.02	0.02	0.00	0.01	0.01	0.01	0.00	0.00	0.00
19	0.02	0.01	0.03	0.03	0.02	0.02	0.00	0.00	0.01	0.01	0.00	0.00
20	0.01	0.01	0.01	0.03	0.03	0.02	0.02	0.00	0.00	0.01	0.01	0.00
21	0.02	0.01	0.01	0.01	0.03	0.03	0.02	0.02	0.00	0.00	0.01	0.01
22	0.00	0.02	0.01	0.01	0.01	0.03	0.03	0.02	0.02	0.00	0.00	0.01
23	0.01	0.00	0.02	0.01	0.01	0.01	0.03	0.03	0.02	0.02	0.00	0.00

Table 7.6-7 (cont) Composite Weekday Resting Time Frequency Distribution.

Time of Day (hour)	Resting 2280 min (%)	Resting 2340 min (%)	Resting 2400 min (%)	Resting 2460 min (%)	Resting 2520 min (%)	Resting 2580 min (%)	Resting 2640 min (%)	Resting 2700 min (%)	Resting 2760 min (%)	Resting 2820 min (%)	Resting 2880 min (%)	Resting 2940 min (%)
0	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.02	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.03	0.02	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
5	0.03	0.03	0.02	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
6	0.01	0.03	0.03	0.02	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00
7	0.01	0.01	0.03	0.02	0.02	0.01	0.00	0.00	0.01	0.00	0.00	0.00
8	0.00	0.01	0.01	0.03	0.02	0.02	0.01	0.00	0.00	0.01	0.00	0.00
9	0.01	0.00	0.01	0.01	0.03	0.01	0.02	0.01	0.00	0.00	0.00	0.00
10	0.00	0.01	0.00	0.01	0.01	0.02	0.01	0.02	0.01	0.00	0.00	0.00
11	0.01	0.00	0.01	0.00	0.01	0.01	0.02	0.01	0.01	0.01	0.00	0.00
12	0.00	0.01	0.00	0.01	0.00	0.01	0.01	0.02	0.01	0.01	0.01	0.00
13	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.01	0.02	0.01	0.00	0.01
14	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.00
15	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.01
16	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.01	0.01
17	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.01
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
23	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 7.6-7 (cont) Composite Weekday Resting Time Frequency Distribution.

Time of Day (hour)	Resting 3000 min (%)	Resting 3060 min (%)	Resting 3120 min (%)	Resting 3180 min (%)	Resting 3240 min (%)	Resting 3300 min (%)	Resting 3360 min (%)	Resting 3420 min (%)	Resting 3480 min (%)	Resting 3540 min (%)	Resting 3600 min (%)	Resting 3660 min (%)
0	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00
1	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.01
2	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00
3	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.00
4	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01
5	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
21	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00
22	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00
23	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00

Table 7.6-7 (cont) Composite Weekday Resting Time Frequency Distribution.

Time of Day (hour)	Resting 3720 min (%)	Resting 3780 min (%)	Resting 3840 min (%)	Resting 3900 min (%)	Resting 3960 min (%)	Resting 4020 min (%)	Resting 4080 min (%)	Resting 4140 min (%)	Resting 4200 min (%)	Resting 4260 min (%)	Resting 4320 min (%)	Resting 4380 min (%)
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 7.6-7 (cont) Composite Weekday Resting Time Frequency Distribution.

Time of Day (hour)	Resting 4440 min (%)	Resting 4500 min (%)	Resting 4560 min (%)	Resting 4620 min (%)	Resting 4680 min (%)	Resting 4740 min (%)	Resting 4800 min (%)	Resting 4860 min (%)	Resting 4920 min (%)	Resting 4980 min (%)	Resting 5040 min (%)	Resting 5100 min (%)
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 7.6-7 (cont) Composite Weekday Resting Time Frequency Distribution.

Time of Day (hour)	Resting 5160 min (%)	Resting 5220 min (%)	Resting 5280 min (%)	Resting 5340 min (%)	Resting 5400 min (%)	Resting 5460 min (%)	Resting 5520 min (%)	Resting 5580 min (%)	Resting 5640 min (%)	Resting 5700 min (%)	Resting 5760 min (%)	Resting 5820 min (%)
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 7.6-7 (cont) Composite Weekday Resting Time Frequency Distribution.

Time of Day (hour)	Resting 5880 min (%)	Resting 5940 min (%)	Resting 6000 min (%)	Resting 6060 min (%)	Resting 6120 min (%)	Resting 6180 min (%)	Resting 6240 min (%)	Resting 6300 min (%)	Resting 6360 min (%)	Resting 6420 min (%)	Resting 6480 min (%)	Resting 6540 min (%)
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 7.6-7 (cont) Composite Weekday Resting Time Frequency Distribution.

Time of Day (hour)	Resting 6600 min (%)	Resting 6660 min (%)	Resting 6720 min (%)	Resting 6780 min (%)	Resting 6840 min (%)	Resting 6900 min (%)	Resting 6960 min (%)	Resting 7020 min (%)	Resting 7080 min (%)	Resting 7140 min (%)	Resting 7200 min (%)	Resting 7260 min (%)
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 7.6-7 (cont) Composite Weekday Resting Time Frequency Distribution.

Time of Day (hour)	Total Fleet Distribution (%)
0	94.66
1	97.32
2	98.97
3	98.89
4	98.11
5	96.93
6	87.04
7	71.25
8	73.56
9	76.83
10	75.46
11	69.30
12	67.45
13	69.83
14	68.19
15	67.17
16	67.56
17	66.52
18	71.47
19	75.43
20	81.41
21	83.49
22	87.72
23	89.66