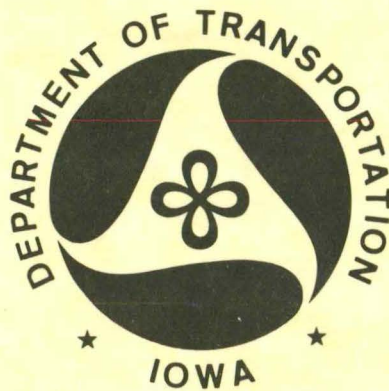


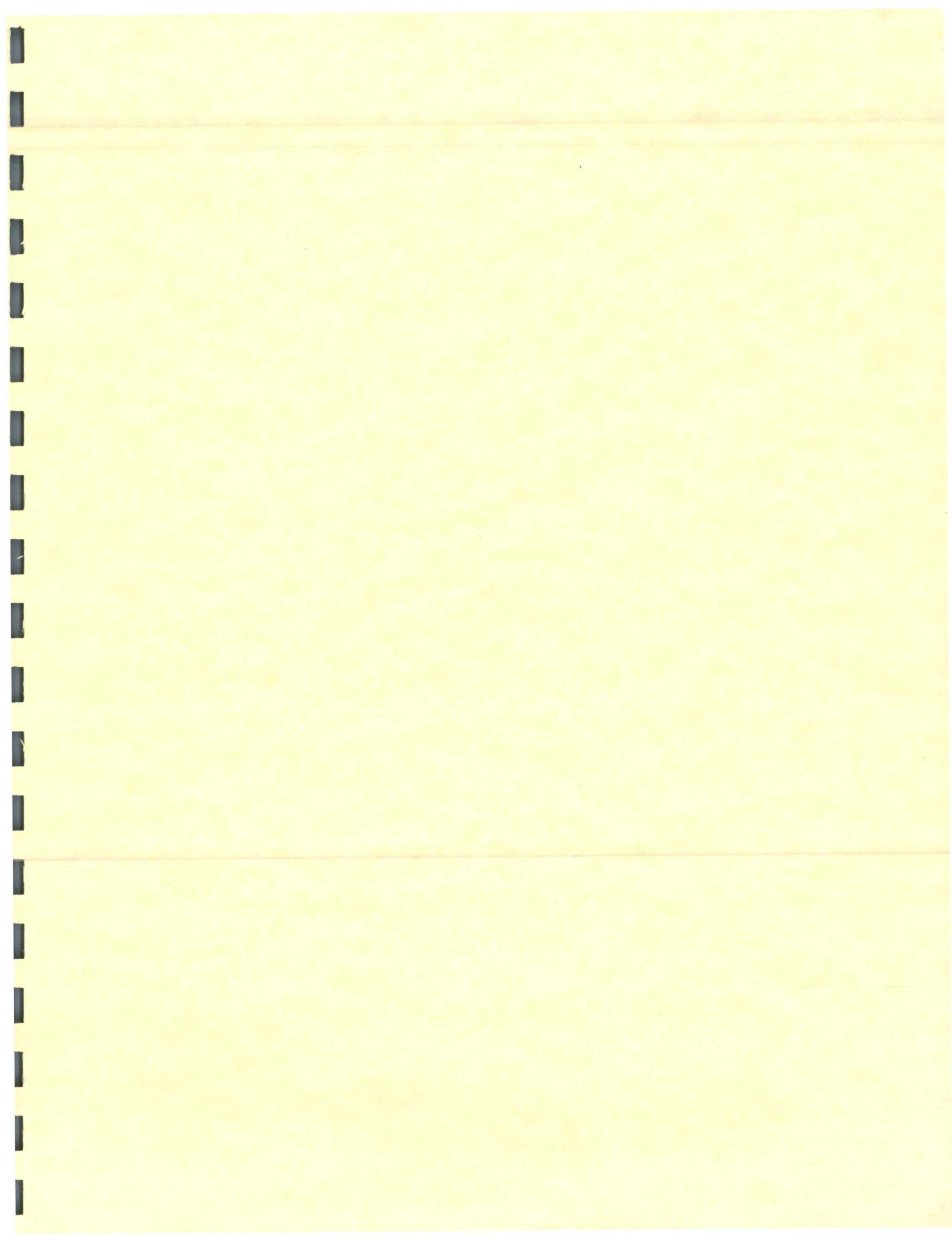
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# AN ANALYSIS OF DRIVER LICENSE OFFICE DATA BASES



**MAY 1981**





# Department of Transportation

PLANNING AND RESEARCH DIVISION  
800 Lincoln Way, Ames, Iowa 50010  
515-296-1140

July 31, 1981

REF. NO.

722

Mr. Bill Kendall, Director  
Office of Driver License  
Iowa Department of Transportation  
Lucas Building  
Des Moines, Iowa 50319

Dear Bill:

The Office of Transportation Research is pleased to forward the final report of An Analysis of Driver License Office Data Bases.

The report examines existing data and makes recommendations for its use in evaluation of the Office of Driver License service to the public.

Your assistance and the assistance of Jim Fischer is much appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Steve Kadolph".

Steve Kadolph  
Statistical Research Analyst  
Office of Transportation Research

A handwritten signature in cursive script that reads "Bill McCall".

Bill McCall, Director  
Office of Transportation Research

BMc/SK/acb  
Enclosure





AN ANALYSIS OF DRIVER LICENSE OFFICE DATA BASES

Final Report

May 1981

Prepared by

Iowa Department of Transportation  
Office of Transportation Research  
Telephone (515) 296-1682

Prepared for

Iowa Department of Transportation  
Driver License Office  
Telephone (515) 281-5153

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## I. EXECUTIVE SUMMARY

The purpose of this report is to provide the Driver License Office with a method of using existing data to evaluate the service driver license teams are offering to the public. Also dealt with are alternatives to existing data gathering techniques and data not currently available.

The primary weakness found in existing driver license data was the manner in which it was collected. All of the data, with the exception of the new driver license master file, was available only from hand calculated records. Upon receipt of the data, the Office of Transportation Research entered it into a computer file via its terminal. These computer files were then manipulated by use of Statistical Analysis System (SAS), a software package, and computer listings showing the data arranged in various ways were developed. Many of the computer listings used in this report, and some that were not, were supplied to the Driver License Office as soon as they were completed. Several listings were also generated at the request of the Driver License Office.

This report will deal with techniques for using existing data to evaluate the operations of each driver license location, but will not make recommendations as to the specific operations of driver license teams. While it is not impossible to develop a model that would generate hypothetical optimum locations and hours of operation for these locations, it was considerably beyond the time frame of this project to do so. It was not possible to develop several key parameters, such as minimum and maximum hours of operation per location and a desired level of productivity based on average licenses issued per hour. A technique was developed to evaluate the effectiveness of each location by selecting a standard of operation based on average licenses issued per hour.

### Findings of the Study:

#### April 1980 Survey Data

This survey contained information on the hourly operations of the driver license locations and the number of people waiting when a location opened. Using the computer the following manipulations of the data were made:

1. The average number of licenses issued per hour for each hour the station was open were calculated for permanent, itinerant locations, and all locations.
2. The number of people waiting by opening time by locations for each day were computed.

The following observations were made based upon the above calculations:

1. The itinerant locations showed very little difference in the average number of licenses issued on a daily basis.
2. Permanent locations issued almost three licenses per hour more on Tuesday than the next highest day (Saturday).

3. As opening times became later, the number of people waiting increased.
4. Tuesday, when all locations open at 10:30 a.m., accounted for 42 percent of the people who were waiting.
5. The number of people waiting on Tuesday caused the average licenses issued per hour for the first two hours of Tuesday to be high when compared to the rest of the days and hours.
6. The least productive hours were the last hour of the day and the first hour, respectively, with the exception of Tuesday:

The following recommendations are made:

1. By using the computer listings supplied to the Driver License Office, permanent locations with high volumes on Tuesday and a large number of people waiting when a location opens can be found. Based on volumes during the rest of the week, the possibility of remaining open some evening other than Tuesday should be evaluated to more evenly distribute the week's work load.
2. While this survey gathered useful information, the amount of time and effort involved in gathering it on a continual basis would probably not be worthwhile. An alternative for the permanent locations will be discussed in the chapter dealing with the newly developed computer driver license master file.
3. Such a compilation of data on a yearly or less frequent basis would, however, be of value. The Office of Transportation Research would be willing to assist the Driver License Office in setting up such a survey and analyzing it.

#### January - October 1980 Monthly Data

Because the driver license master file was not available, January - October information was analyzed in its place. The following information, by location, was available from this monthly summary data:

1. Average hourly licenses issued;
2. Number licenses issued;
3. Driver tests given;
4. Motorcycle tests given;
5. Written tests given.

Originally, providing for the optimum operation of a location was to be done by establishing minimum and maximum hours of operation and licenses issued per hour. Because of the complex interaction of driver license locations as listed in the section dealing with the January - October 1980 data base, this was not feasible. Instead, the following formula based on average licenses per hour was developed.

$$\text{OPT HOURS} = \frac{\text{ATOT}}{X} - \frac{\text{ATOT}}{\text{AVLH}}$$

- X = Standard work rate of licenses to be issued per hour
- ATOT = Average licenses issued monthly
- AVLH = Average licenses issued per hour for the location
- OPT HOURS = Change in monthly hours required for a location to issue X licenses per hour.

Using this formula, monthly adjustments in the hours of operation of each location can be calculated. The section of this report dealing with the January - October 1981 data shows a sample calculation based on a standard of 10 licenses/hour. The January - October 1980 data showed an average of 9.75 licenses per hour were issued.

This data is essential since it contains basic information on the operation of each location. Because it was hand compiled and hand totaled, its usefulness is extremely limited. To extract listings such as the Office of Transportation Research has compiled would require an inordinate amount of time. To facilitate manipulation of the data the Driver License Office should, in conjunction with Data Processing, develop a computer file and programs to manipulate it to provide information similar to that provided in this report.

#### Cost Data:

This section of the report contains budget costs for the operation of each driver license location. A sample evaluation is made in this section of the impact of closing the Keokuk location. Based upon this sample calculation, it was determined that closing a location because of cost cannot be justified if the increased costs incurred by the public are considered. However, it may be cost effective to reallocate existing location's hours if the public's travel time can be reduced.

#### Driver License Master File

This file was originally scheduled to be ready for use on January 1, 1981; however, it will not be ready until June 15, 1981. In order to not delay this report, it was decided not to wait for this file. When the file becomes available, it will be analyzed and the results sent to the Driver License Office.

The Driver License Office should investigate with Data Processing the possibility of using this file to generate periodic reports showing driver license location activities. This would involve the addition of a field to each record that would identify each location and possibly other fields to identify items not currently contained in the file. If this is not feasible, or would not provide the needed information, then the possibility of building a separate computer file using the information from each of the two types of driver license forms should be investigated.



Another piece of information that could be compiled for on line locations is licenses issued for each hour. If hourly data is needed, the possibility of compiling the information from terminal entry operations should be investigated. Data from the April 1980 survey indicated that 39 percent of all licenses issued were issued from on line locations.

Information Not Currently Available:

Evaluation of the desirability of evening and Saturday service would require knowledge of why a person got his or her license then. A survey was conducted in July 1977 by Central Surveys, Inc., which in part asked for public opinion on evening and Saturday service. In this survey, 39 percent of the people said increased Saturday service would be more convenient and 48 percent said service later in the evening would be more convenient. For a discussion on why these numbers could be misleading see Appendix E. Based upon this survey the current Tuesday - Saturday schedule for most locations was started February 2, 1979. Although it would be useful to evaluate the public's use of this change in service, the data available makes any meaningful evaluation impossible. The information needed to make an evaluation would have to be gathered by taking a sample of those people who received their licenses in the evening or on Saturday.

The subsequent sections of this report deal with the various data bases evaluated.



## II. GENERAL INFORMATION ON DRIVER LICENSE OFFICE

Currently the Driver License Office operates 140 separate locations with 38 driver license teams. The following teams operate permanent locations in the listed cities:

<u>DL Team #</u>	<u>City</u>
2	Des Moines
3	Des Moines
29	Des Moines
40	Des Moines (Renewals Only)
21	Cedar Rapids
41	Cedar Rapids (Renewals Only)
6	Council Bluffs
8	Sioux City
14	Waterloo
18	Dubuque
23	Bettendorf
24	Iowa City
28	Marion
30	Davenport

These 14 permanent locations, plus Ames (DL Team #1), process driver license applications via remote terminals.

The remaining 24 DL teams account for 126 separate locations. The number of locations served ranges from two to nine per team. DL Team #1 operates in Ames as a renewal only station on the days when the examiner is in another location. Table 1 shows locations categorized by days of service. Days on which driver license locations are open are Tuesday through Saturday, with evening service offered until 7:00 p.m. at most locations open on Tuesday.

Table 1 Location by Type of Service

Days of Service	Number of Locations
1, 2, 3, or 5 days/week	88
Every other or every fourth week	30
Some kind of monthly service	21
Special	1
Total	140

Some kind of monthly service indicates that on a specific day and week of the month a location is open. The special location is Muscatine, which is open every week on Tuesday and Saturday and on the first, third, and fifth Wednesday of each month.

Table 2 shows the number of locations by days/week of service:

Table 2 Locations by Days/Week of Service

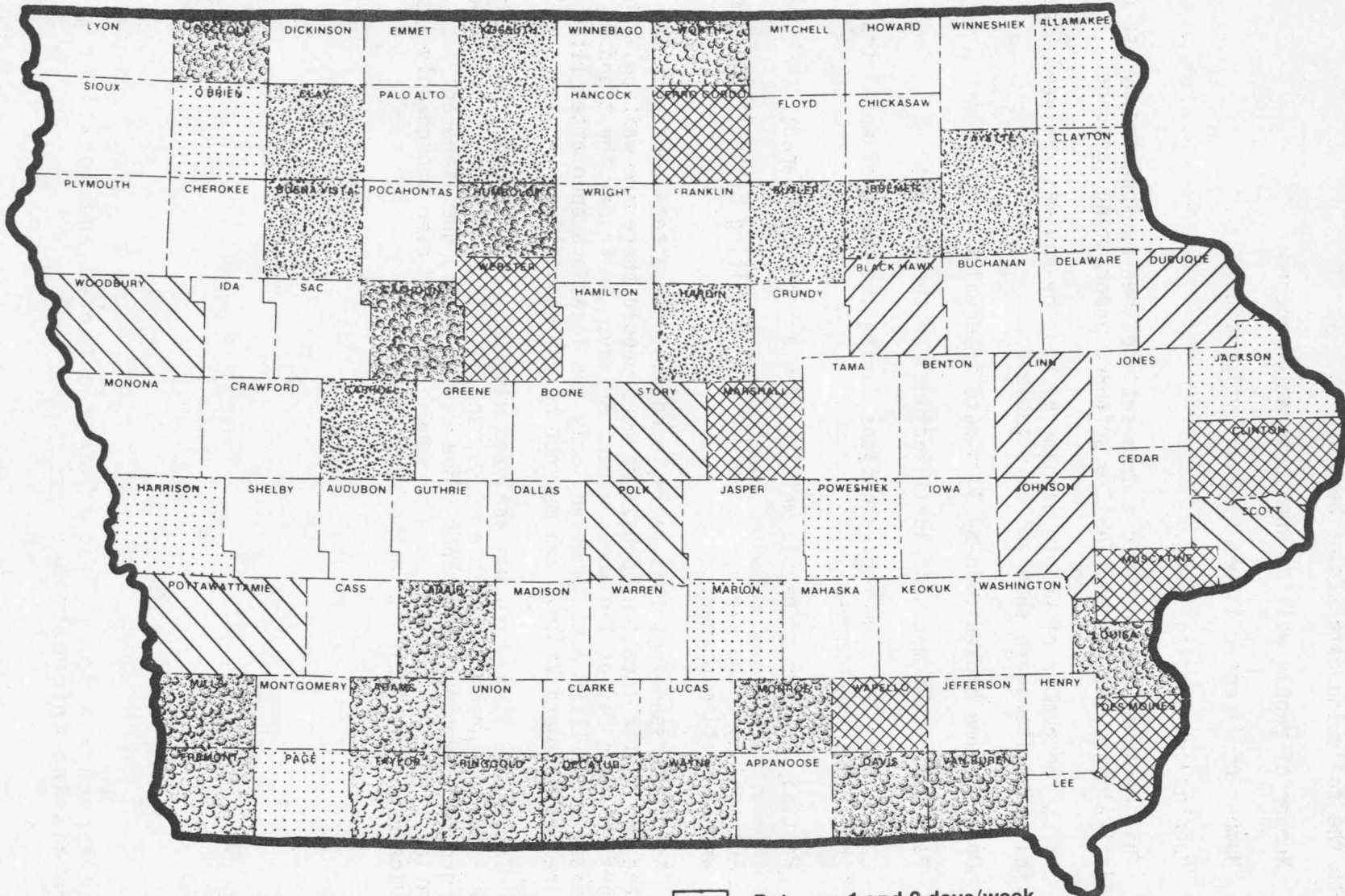
Days/Week	Number of Locations
5	15 <sup>1/</sup>
3	6
2 to 3	8
1	60
.5 to 1	36
< .5	15
Total	140

1/ Includes Ames

The following map (Figure 1) shows days of service broken down by county. It should be noted that locations are not always centrally located and may serve more than one county.

Section 321.186 of the Code of Iowa requires that service to a county be provided at no more than 15 day intervals. Currently 16 counties receive minimum service (every other week) and are shown on the county map (Figure 1).

**FIGURE 1**  
**COUNTIES BY DAYS/WEEK OF SERVICE**



- |   |                           |   |                           |
|---|---------------------------|---|---------------------------|
|  | 5 or more days/week       |  | Between 1 and 2 days/week |
|  | Between 2 and 5 days/week |  | 1 day/week                |
|  | 2 days/week               |  | Minimum every other week  |



### III. 1980 APRIL SURVEY DATA<sup>1</sup>

In April 1980 a survey was conducted by the Driver License Office, from which the following data was gathered:

1. Number of people waiting when a location opened;
2. Number of licenses issued by hour by location;
3. Opening and closing times.

This data was entered into a data set and then manipulated by use of Statistical Analysis System (SAS), a software programming language.

First the number of people waiting by hour by day was analyzed (see Table 3). The following items are shown on this table:

1. Opening time broken down by 30 minute intervals;
2. Days during the month of April included in the survey;
3. Locations - The number of locations during the month of April that were included in the survey;
4. Waiting - Number of people waiting when a location opened;
5. Average/Day - The average number of people waiting by half-hour groups when a station opened.

As can be seen from this table, a consistent pattern appears. The later in the day that a location opens, the more people there are waiting. This occurs for each day of the week, except Friday. On Friday the trend is reversed after 11:30 a.m. However, only two locations open after 11:30 (Belle Plaine and Missouri Valley) and may not be representative.

The second item which was analyzed was the number of people by hour that were issued licenses (see Tables 4, 5, and 6). This data was broken down into two groups. Permanent locations (five days a week), and itinerant locations. Ames is counted as a permanent location even though only its full service days were included in the survey data.

<sup>1</sup>See Appendix A for a list of data gathered and locations that were missing information.



TABLE 3  
NUMBER OF PEOPLE WAITING  
(April 1980 Survey)

<u>Opening Time</u>	<u>Days</u>	<u>Locations</u>	<u>Waiting</u>	<u>Average/ Day</u>
<u>-- Tuesdays --</u>				
10:30 - 10:59	179	35	2,285	12.8
<u>-- Wednesdays --</u>				
8:00 - 8:29	5	1	6	1.2
8:30 - 8:59	80	16	196	2.4
9:00 - 9:29	15	5	83	5.5
9:30 - 9:59	20	7	130	6.5
10:00 - 10:29	37	8	326	8.9
10:30 - 10:59	15	3	148	9.9
11:00 - 11:29	7	3	79	11.2
Total	179	43	968	5.4
<u>-- Thursdays --</u>				
8:00 - 8:29	8	2	25	3.1
8:30 - 8:59	58	13	110	1.9
9:00 - 9:29	11	4	95	8.6
9:30 - 9:59	16	5	142	8.9
10:00 - 10:29	37	12	419	11.3
10:30 - 10:59	8	3	109	13.6
11:00 - 11:29	4	1	55	13.8
Total	142	40	955	6.7
<u>-- Fridays --</u>				
8:00 - 8:29	8	2	16	2.0
8:30 - 8:59	54	14	139	2.6
9:00 - 9:29	17	6	153	9.0
9:30 - 9:59	15	5	174	11.6
10:00 - 10:29	10	3	130	13.0
10:30 - 10:59	17	7	200	11.8
11:00 - 11:29	5	3	106	21.2
11:30 - 11:59	6	3	29	4.8
12:00 - 12:30	5	2	20	4.0
Total	137	45	967	7.1

--Continued

TABLE 3 (Continued)

<u>Opening Time</u>	<u>Days</u>	<u>Locations</u>	<u>Waiting</u>	<u>Average/ Day</u>
		<u>-- Saturdays --</u>		
8:00 - 8:29	142	34	281	2.0
		<u>-- Total --</u>		
8:00 - 8:29	163	39	163	2.0
8:30 - 8:59	192	43	445	2.3
9:00 - 9:29	43	15	331	7.7
9:30 - 9:59	51	17	446	8.7
10:00 - 10:29	84	23	875	10.4
10:30 - 10:59	219	48	2,742	12.5
11:00 - 11:29	16	7	240	15.0
11:30 - 11:59	6	3	29	4.8
12:00 - 12:29	5	2	20	4.0
Total	779	197	5,456	7.0

TABLE 4

## AVERAGE LICENSES PER HOUR (ALL LOCATIONS)

Hour	Tuesday	Wednesday	Thursday	Friday	Saturday	Total
8:00 a.m.	--	8.2	7.3	7.9	7.8	7.8
9:00	--	10.7	11.6	12.1	12.8	11.9
10:00	26.2	13.0	14.2	13.5	15.7	15.8
11:00	14.6	9.2	9.9	11.2	11.6	11.4
12:00	9.5	6.8	6.4	7.6	7.0	7.5
1:00 p.m.	11.2	9.6	9.1	9.9	8.7	9.8
2:00	10.0	9.6	10.3	9.5	10.1	9.9
3:00	10.9	10.1	11.3	9.8	3.7	9.8
4:00	11.8	9.0	8.1	8.4	--	9.5
5:00	10.2	5.1	3.9	5.1	--	8.6
6:00	5.5	--	--	--	--	5.5
Daily Average	11.4	9.5	9.7	9.9	10.1	10.2

TABLE 5

## AVERAGE LICENSES PER HOUR (PERMANENT LOCATIONS)

Hour	Tuesday	Wednesday	Thursday	Friday	Saturday	Total
8:00 a.m.	--	7.8	5.4	6.7	6.2	6.5
9:00	--	7.4	8.2	8.8	11.1	8.9
10:00	25.9	11.0	10.8	11.7	14.6	13.9
11:00	16.8	9.4	9.2	11.1	13.2	12.2
12:00	13.1	8.6	7.3	8.8	9.3	9.6
1:00 p.m.	13.2	9.8	8.7	11.1	9.0	10.5
2:00	11.7	10.7	10.2	10.5	11.7	11.0
3:00	13.1	11.7	11.4	11.1	4.5	11.0
4:00	14.8	13.0	11.3	11.4	--	12.8
5:00	13.2	5.2	4.1	4.8	--	8.7
6:00	6.5	--	--	--	--	6.5
Daily Average	13.6	9.8	9.1	10.1	10.3	10.7



TABLE 6

## AVERAGE LICENSES PER HOUR (ITINERANT LOCATIONS)

Hour	Tuesday	Wednesday	Thursday	Friday	Saturday	Total
8:00 a.m.	--	9.1	10.7	10.2	8.7	9.0
9:00	--	14.0	15.4	15.8	13.8	14.5
10:00	26.3	14.3	16.1	14.6	16.3	16.9
11:00	13.3	9.1	10.2	11.3	10.7	10.9
12:00	7.5	5.9	5.9	7.0	5.7	6.4
1:00 p.m.	10.0	9.6	9.3	9.3	8.5	9.4
2:00	9.0	9.0	10.4	9.0	9.2	9.3
3:00	9.6	9.3	11.3	9.1	3.3	9.2
4:00	10.1	7.2	6.5	6.9	--	7.8
5:00	8.6	4.0	1.3	11.0	--	8.4
6:00	5.0	--	--	--	--	5.0
Daily Average	10.2	9.4	10.1	9.8	9.9	9.9



Tables 4, 5 and 6 contain the following information:

1. Hours - 1 hour time increments from 8:00 a.m. to 6:00 p.m.;
2. Average licenses issued per hour by day;
3. Daily average licenses issued per hour;
4. Average licenses issued per hour for all the days.

Table 4 is for all locations. Tables 5 and 6 show the same data for permanent and itinerant locations, respectively.

The largest average issued licenses per hour occurred on Tuesday between 10:30 and 11:00, when all stations open between 10:30 and 11:00. Tuesday also accounts for 42 percent of the people who are waiting when a location opens. This fact probably accounts for the high number of licenses per hour in this time period.

Table 7 shows the number of licenses issued daily and the total number of hours per day for locations included in the survey:

TABLE 7  
TOTAL LICENSES AND HOURS BY DAY

DAY	Permanent Locations		Itinerant Locations		All Locations	
	Hours	Licenses	Hours	Licenses	Hours	Licenses
Tuesday	544	7,385	977.5	9,928	1,521.5	17,313
Wednesday	524	5,134	882.0	8,259	1,406	13,393
Thursday	416.7	3,792	702.8	7,119	1,119.5	10,911
Friday	385	3,876	659.2	6,429	1,069	10,305
Saturday	392.0	4,030	677.0	6,718	1,069	10,748
TOTAL	2,261.7	24,217	3,898.5	38,453	6,160.2	62,670

As shown in this table the busiest day of the week for driver licenses is on Tuesday, which also has the most hours of service. Table 4 also shows that Tuesday has 11.4 licenses issued per hour. This is 1.3 licenses per hour more than the next highest day, Saturday. However, in looking at Table 6, average licenses per hour of itinerant locations, there is almost no difference between the days of the week. The licenses per hour of itinerant locations range from 9.4 on Wednesday to 10.2 on Tuesday. Permanent locations however, range from 9.1 licenses per hour to 13.6 licenses per hour on Tuesday. Data from the April survey does not indicate Tuesday at permanent locations is substantially higher because of the evening service offered that day. Rather, it indicates that Tuesday is generally a busier day for permanent locations.

#### Limitations

1. Since only April was surveyed the data may not be representative of the rest of the year.
2. No information was gathered for renewal only locations. Des Moines (DL Team #40), Cedar Rapids (DL Team #41), and Ames (DL Team #1), issue renewals only on Wednesday, Thursday, and Friday.
3. See Appendix A for locations which were missing information on the survey.

#### IV. DRIVER LICENSE MONTHLY DATA FROM JANUARY 1980 - OCTOBER 1980

This information was supplied by the Driver License Office and contained monthly data by locations as follows:

1. Average licenses issued per hour;
2. Driver test given;
3. Motorcycle tests given;
5. License issued; and
6. I.D.'s issued.

The first five items were entered into a computer base and manipulated by SAS.

Appendix B contains three computer listings showing the following information broken down by location, county, and driver license team:

1. Average values for each of the five items entered;
2. Minimum values - lowest monthly values of each item; and
3. Maximum values - highest monthly value of each item.

In order to calculate average licenses per hour for the 10-month period it was necessary to compute hours of operation for a location. This was derived by dividing total monthly licenses issued by average monthly licenses issued per hour for each location. The licenses issued and hours of operation were summed for the 10-month period, and the sum of the licenses issued was divided by the sum of the hours of operation; to arrive at an average license per hour for the 10-month period for each location.

The computer listings in Appendix B are sorted in ascending order by 10-month average licenses issued per hour. There are 141 locations on the first listing since separate data was kept for Ames on renewal only days.

Several items can be observed from this listing. The average licenses issued per hour for the 10-month period was 9.75. Looking at the computer printout it can be seen that 62.4 percent of all locations were below this value and 37.6 percent were higher.

Table 8 shows a breakdown by 10 percent groups of locations based on average licenses per hour.



TABLE 8  
NUMBER OF LOCATIONS  
BY RANKING OF AVERAGE LICENSES PER HOUR

Percent	Minimum Service	0- 1/2 Days/Week	More than 1/2 to 1 Days/Week	2 or More But less Than 5 Day/week	Permanent <sup>1</sup> 5 Days/Week
0 - 10%	0	11	2	0	1
10.1 - 20%	1	0	9	2	2
20.1 - 30%	1	4	9	0	0
30.1 - 40%	2	3	8	0	1
40.1 - 50%	3	2	6	2	1
50.1 - 60%	1	2	9	2	0
60.1 - 70%	2	1	6	4	1
70.1 - 80%	1	1	7	2	3
80.1 - 90%	2	0	7	2	3
90.1 - 100%	3	3	5	0	3
TOTAL	16	27	68	14	15

The average licenses issued per hour were as follows for the indicated percentile ranks:

0% - 4.78	60% - 9.60
10% - 6.36	70% - 10.14
20% - 7.16	80% - 11.14
30% - 7.76	90% - 12.29
40% - 8.46	100% - 15.92
50% - 9.01	

In discussion with the Driver License Office, a goal of 10 licenses per hour was stated as being the acceptable minimum rate. Using the data in Appendix B and the following formula, the hours of operation by location can be calculated:

$$\begin{aligned} \text{Average License per Hour} &= \text{AVLH} \\ \text{Total Licenses Issued} &= \text{ATOT} \\ \text{Hours of Operation} &= \text{HOURS} \\ \text{Change in Hours} &= \text{OPT HOURS} \end{aligned}$$

$$\text{HOURS} = \frac{\text{ATOT}}{\text{AVLH}}$$

Using this equation and the data in Appendix B and setting AVLH = 10, the following equation can be used to calculate the increase/decrease in service needed to arrive at 10 licenses per hour for each location:

$$\text{OPT HOURS} = \frac{\text{ATOT}}{10} - \frac{\text{ATOT}}{\text{AVLH}}$$

<sup>1</sup>Includes Ames, which is treated as one location.

A positive number indicates increased hours and a negative number means that decreased hours of monthly service would be required for a location to issue an average of 10 licenses per hour.

Using the above calculations, Table 9 was developed:

By use of Table 9 it can be seen that Parkersburg could be changed from a one day/week to an every other week location. Assuming the same number of licenses issued, this would mean Parkersburg would issue an average of 9.56 licenses per hour. The actual number would probably be less since some people would presumably get their licenses at another location because of the decreased service.

Using a table such as the one above to achieve optimum service depends on several factors. The major factors that would prohibit changes are:

1. No other location in the area can increase/decrease service;
2. Another location that would gain from increased service is not available for the additional hours/days;
3. Increased travel time to get to a different location would be counter productive; and
4. Some changes would involve a major redistribution of locations/days, and driver license teams.

#### Limitations of Data

1. It is aggregate data and contains only monthly totals.
2. Biases exist because of holidays for itinerant locations (i.e., McGregor and Rock Valley, one day a month locations, both had a holiday and this caused all of their minimum values to be zero).

#### Observations

This data is essential since it contains basic information on the operation of each location. Because it was hand compiled and hand totaled, its usefulness is extremely limited. To extract listings such as the Office of Transportation Research has compiled would require an inordinate amount of time. To facilitate manipulation of the data the Driver License Office should, in conjunction with Data Processing, develop a computer file and programs to manipulate it to provide information similar to that provided in this report. Some of the benefits of having such a computer file are as follows:

1. Once a program is written it can be used repeatedly.
2. Time wasting hand calculations can be avoided.
3. The data can be manipulated via the computer in many ways that would be prohibitive if it were to be done by hand.
4. Looking at many years of data would be possible.
5. Summary reports (i.e., yearly, quarterly, fiscal year) could easily be generated.
6. Human error in calculations would be avoided.

The time spent by the Office of Transportation Research in entering and proofing the data was more than the time required to write the programs which produced the listings shown in Appendix B and in this section of the report.



TABLE 9  
OPTIMUM OPERATION HOURS

OBS	CITY	DLNO	AVLH	HOURS	OPTHOURS
1	PARKERSBURG	16	4.78083	26.460	-13.410
2	CASCADE	35	4.82317	7.609	-3.939
3	TRIPOLI	36	4.92293	11.132	-5.652
4	MONTEZUMA	34	4.96002	16.673	-8.403
5	MONONA	15	5.26494	13.998	-6.628
6	STRAWBERRY PT	15	5.47744	6.919	-3.129
7	BELLEVUE	22	5.47875	7.502	-3.392
8	AVOCA	33	5.65735	6.982	-3.032
9	OAKLAND	33	5.79821	12.711	-5.341
10	MISSOURI VALLEY	33	5.94286	5.721	-2.321
11	DYERSVILLE	35	6.03832	20.883	-8.273
12	LANSING	15	6.08256	8.681	-3.401
13	CEDAR RAPIDS	21	6.15805	193.616	-74.386
14	MCGREGOR	15	6.36341	5.940	-2.160
15	DES MOINES RENEWAL	40	6.47628	193.537	-68.197
16	AUDUBON	7	6.50404	30.535	-10.675
17	NORTHWOOD	13	6.57018	16.057	-5.507
18	OSCEOLA	4	6.65028	36.961	-12.381
19	SAC CITY	9	6.67127	37.564	-12.504
20	GUTHRIE CENTER	7	6.72317	30.804	-10.094
21	SWEA CITY	11	6.73432	28.065	-9.165
22	MANCHESTER	35	6.76642	63.357	-20.487
23	BELLE PLAINE	20	6.89255	22.735	-7.065
24	ALLISON	14	6.89907	25.293	-7.843
25	ELKADER	15	7.08976	25.078	-7.298
26	OSKALOOSA	34	7.10045	69.996	-20.296
27	ONAWA	33	7.13090	30.796	-8.836
28	CEDAR RAPIDS RENEWAL	41	7.16319	184.262	-52.272
29	GRUNDY CENTER	16	7.19374	34.377	-9.647
30	OSAGE	13	7.22690	35.686	-9.896
31	SUMNER	36	7.26094	11.211	-3.071
32	DEWITT	22	7.28305	28.463	-7.733
33	ACKLEY	14	7.30824	8.798	-2.368
34	LOGAN	33	7.36393	30.799	-8.119
35	AMES RENEWALS	1	7.40365	118.509	-30.769
36	GUTTENBURG	35	7.42575	7.703	-1.983
37	EMMETSBURG	11	7.48847	37.845	-9.505
38	SIGOURNEY	34	7.55467	29.889	-7.309
39	ANAMOSA	35	7.70501	16.496	-3.786
40	WAPELLO	31	7.72012	15.790	-3.600
41	CRESCO	36	7.75639	34.075	-7.645
42	IOWA FALLS	14	7.76522	37.848	-8.458
43	CHARITON	27	7.76779	31.978	-7.138
44	NEVADA	1	7.84313	28.343	-6.113
45	TOLEDO	20	7.89296	32.117	-6.767
46	ELDORA	14	7.99452	23.291	-4.671
47	TIPTON	31	7.99672	31.500	-6.310
48	BETTENDORF	23	8.01110	185.330	-36.860
49	CORNING	5	8.02813	14.325	-2.825
50	JEFFERSON	7	8.22412	37.840	-6.720
51	KEOSAUQUA	26	8.23863	15.646	-2.756
52	MONTICELLO	35	8.26618	17.674	-3.064
53	CLARION	14	8.30083	19.552	-3.322
54	SHENANDOAH	5	8.32052	34.325	-5.765
55	VINTON	20	8.36850	37.629	-6.139
56	GARNER	11	8.44443	13.441	-2.091

TABLE 9 (Continued)  
OPTIMUM OPERATION HOURS

OBS	CITY	DLNO	AVLH	HOURS	OPTHOURS
57	CLEAR LAKE	13	8.4573	17.157	-2.6468
58	FORREST CITY	11	8.5591	36.896	-5.3164
59	ROCKWELL CITY	12	8.5923	18.703	-2.5328
60	ROCK RAPIDS	10	8.6902	32.565	-4.2652
61	PRIMGHAR	10	8.6922	12.759	-1.6685
62	ADEL	1	8.7406	17.527	-2.2073
63	SIDNEY	5	8.7530	14.612	-1.8221
64	HAMPTON	14	8.7747	31.203	-3.8232
65	GRINNELL	34	8.8321	34.318	-4.0082
66	BEDFORD	4	8.8386	13.860	-1.6096
67	WINTERSET	4	8.8637	29.886	-3.3961
68	CEDAR FALLS	16	8.8824	70.262	-7.8525
69	STORM LAKE	9	8.9608	68.108	-7.0780
70	IDA GROVE	9	9.0084	30.805	-3.0547
71	WEST UNION	15	9.0166	31.209	-3.0692
72	INDEPENDENCE	35	9.0433	37.840	-3.6203
73	POSTVILLE	15	9.0611	7.350	-0.6901
74	POCAHONTAS	9	9.0672	30.803	-2.8735
75	SPENCER	32	9.1085	69.935	-6.2350
76	MARENGO	20	9.1328	31.819	-2.7594
77	MOUNT PLEASANT	31	9.1796	40.176	-3.2959
78	NEW HAMPTON	36	9.2951	31.985	-2.2545
79	MT AYR	4	9.3184	14.960	-1.0196
80	OELWEIN	16	9.4379	37.741	-2.1214
81	HARLAN	33	9.4866	31.202	-1.6019
82	PELLA	34	9.4973	20.237	-1.0173
83	CARROLL	7	9.5400	64.371	-2.9609
84	BRITT	11	9.5987	14.690	-0.5895
85	BLOOMFIELD	26	9.6145	15.310	-0.5902
86	OTTUMWA	26	9.6180	105.895	-4.0452
87	WEBSTER CITY	12	9.6501	36.539	-1.2786
88	WAUKON	15	9.7429	24.243	-0.6234
89	MARSHALLTOWN	19	9.7676	106.966	-2.4857
90	DENISON	33	9.8054	37.908	-0.7376
91	BELMOND	14	9.8522	8.699	-0.1285
92	MASON CITY	13	9.9015	107.408	-1.0576
93	GREENFIELD	4	9.9627	16.381	-0.0610
94	CLINTON	22	9.9948	99.852	-0.0522
95	ESTHERVILLE	32	10.0671	29.919	0.2009
96	SHELDON	10	10.0980	31.977	0.3133
97	MAQUOKETA	22	10.0981	35.690	0.3501
98	DES MOINES #29	29	10.1449	184.654	2.6759
99	CHEROKEE	32	10.2607	38.720	1.0096
100	COUNCIL BLUFFS	6	10.3383	188.620	6.3801
101	AMES	1	10.4052	69.100	2.7998
102	SPIRIT LAKE	32	10.4334	31.773	1.3770
103	NEWTON	19	10.5037	65.977	3.3230
104	RED OAK	5	10.5554	31.197	1.7326
105	CORYDON	27	10.5554	12.600	0.6998
106	WAVERLY	36	10.7284	38.692	2.8183
107	DUBUQUE	18	10.7368	191.193	14.0866
108	FAIRFIELD	26	10.7514	33.596	2.5242
109	INDIANOLA	27	10.9274	37.841	3.5094
110	MARION	28	11.0047	185.030	18.5897
111	MUSCATINE	31	11.0508	84.383	8.8670
112	PERRY	1	11.0728	17.873	1.9175



TABLE 9 (Continued)  
OPTIMUM OPERATION HOURS

OBS	CITY	DLNO	AVLH	HOURS	OPTHOURS
113	DECORAH	15	11.1369	36.581	4.1590
114	DES MOINES #2	2	11.1632	186.353	21.6765
115	SIBLEY	10	11.2547	12.759	1.6009
116	CENTERVILLE	27	11.3569	32.121	4.3587
117	KNOXVILLE	27	11.4594	32.122	4.6879
118	CHARLES CITY	36	11.5961	37.694	6.0163
119	BURLINGTON	25	11.7760	96.986	17.2243
120	CRESTON	4	11.8639	33.016	6.1539
121	DAVENPORT	30	11.8892	192.855	36.4348
122	IOWA CITY	24	11.9906	170.984	34.0357
123	FORT DODGE	12	12.0037	101.844	20.4060
124	BOONE	1	12.0896	38.314	8.0062
125	LEON	4	12.1070	13.860	2.9203
126	KEOKUK	25	12.2324	32.201	7.1886
127	ATLANTIC	5	12.2879	35.506	8.1236
128	GLENWOOD	5	12.3926	14.275	3.4153
129	DES MOINES #3	3	12.4124	195.151	47.0786
130	ORANGE CITY	10	12.6365	29.921	7.8887
131	ALGONA	11	12.6806	31.111	8.3394
132	LEMARS	10	12.7251	33.949	9.2514
133	HUMBOLT	12	12.7697	18.599	5.1512
134	WASHINGTON	20	13.0123	32.561	9.8086
135	ALBIA	27	13.1420	13.301	4.1791
136	CLARINDA	5	13.2063	15.621	5.0086
137	EAGLE GROVE	14	13.4281	7.730	2.6499
138	SIOUX CITY	8	13.5432	184.824	65.4860
139	ROCK VALLEY	10	14.5446	7.920	3.5996
140	WATERLOO	17	14.6601	193.034	89.9563
141	FORT MADISON	25	15.9169	31.199	18.4605

## V. COST DATA

Salary, vehicle cost, and vehicle depreciation were obtained from Payroll for each of the 38 DL teams. Annual rent costs were obtained from Facilities Management for the 36 locations that pay rent. Fiscal Year maintenance costs were obtained from the Driver License Office. A list of each of these items is contained in Appendix C.

The following relationships were then developed to measure the cost to the public in lost time and vehicle costs if they had to travel to a different location.

$$\text{Public Cost} = (\text{Distance Traveled} \times \text{Costs Per Mile to Operate Vehicle}) + (\text{Lost Time} \times \text{Cost/Hour})$$

Cost Per Mile to Operate Vehicle = \$.2258  
Cost/Hour = \$5.93  
Lost Time = Miles 148 mph

The equations used to estimate Driver License Office costs for a location are as follows:

$$\text{Vehicle Cost} = (\text{Maintenance} + \text{Gas} + \text{Depreciation}) \times (\% \text{ of Miles Traveled Location of Total Miles Traveled for the Vehicle})$$
$$\text{Staff Cost} = \text{Lost Time} \times (\% \text{ Location's Time is of Total for the DL Team})$$
$$\text{Location Costs} = \text{Vehicle Cost} + \text{Staff Cost}$$

A calculation of the cost effectiveness in closing the Keokuk location is shown. Keokuk was chosen because of its location within the state. Since all people who would receive their licenses in Keokuk can be assumed to receive their licenses in Fort Madison, estimates of average distances traveled per person is simplified. These estimated costs are shown step by step for both the public's cost and the Driver License Office cost.

Calculation of cost of closing Keokuk Location:

### Estimated Public Cost

1. Ninety percent of the distance from Keokuk to Fort Madison, 24 miles, would approximate the additional one-way traveled if the Keokuk location were to be closed.
2. People = Average Licenses per Hour x Number Hours of Operation in One Year = 12.23 (364) = 4452
3. Time Lost =  $(2 \times (\text{Distance to New Location}) / (48 \text{ mph})) \times .9$   
=  $(48/48) \times .9 = .90$  Hours
4. Cost/Hour = \$5.93

$$\begin{aligned} \text{Lost Time Cost} &= \text{People} \times \text{Time Lost} \times \text{Wage Cost/Hour} \\ &= 4,452 \times .90 \times \$5.93 \\ &= \$23,760.32 \end{aligned}$$

5. Miles Traveled =  $48 \times .9 = 43.2$
6. Vehicle Cost = .2258 per mile
7. Trip Cost =  $(43.2) \times .2258 = 9.755$



Travel Cost =  $\$9.755 (4,452) = \$43,429.26$   
Public Cost = Lost Time Cost + Travel Cost

Public Cost =  $\$23,760.32 + \$43,429.26 = \$67,189.58$

Estimated driver license team costs if location is closed and number of DL teams are reduced:

1. Location Cost = Rent + Maintenance  
=  $0 + \$589.95$   
=  $\$589.95$
2. Vehicle Costs = (Maintenance + Gas) + Depreciation)) x Ratio of Keokuk  
To Total Miles  
Vehicle Cost =  $(\$1,719 + \$573) \times .3$   
=  $\$587.60$
3. Staff Cost = (Fiscal Year 1979 - 1980 Salary) x Ratio of Location  
Hours to Total Hours  
for the DL Team  
  
=  $\$62,488 \times .2 = \$12,497$

Driver License Cost = Location Cost + Vehicle Costs  
+ Staff Costs  
=  $\$589.95 + \$587.60 + \$12,497$   
=  $\$13,774.55$

The estimated result of closing the location using the above calculation would result in a net loss of \$53,415.03 to the public. The required average license issued per hour to break even for closing this location would have to be 2.5 licenses per hour. The somewhat rough technique used to arrive at these figures is no doubt open to some criticism. However, the important thing to observe is the number of licenses per hour that would be required to just break even. Considering the lowest average licenses issued per hour for a location is 4.78, from a cost standpoint it will be almost impossible to close any location.

Looking at merely the reallocation of existing staff to a different location would reduce the Driver License Office cost figures even further. However there could be a positive public cost associated with the calculation if the average miles driven is a negative number.

#### Limitations

1. The number of variables that were estimated.
2. The roughness of the calculations.

#### Observations

As this section shows, closing a location cannot be justified from a cost standpoint. However, as shown in the preceding chapter, closing a location or reducing the hours of a location can be justified by providing more equitable service to the public. It may also be possible to change to a new location which would reduce average travel distances.

## VI. DRIVER LICENSE MASTER FILE

This file was originally scheduled to be available on January 1, 1981, but due to delays it has not yet been completed. Appendix D contains a copy of the proposed record format of this computer file. In order to avoid the delay of the completion of this report, a decision was made not to wait for the computer file. Upon its completion a report containing the information extracted will be sent to the Driver License Office.

Data Processing is currently writing a program to extract data from the master file. One major difficulty was encountered in developing this program. This was caused by the lack of a field in the record which would identify either the DL team or location which issued a license. The only solution was to use the control numbers, which are on file, to find a DL team and then use the date of issuance to determine the location. There were 323 separate control number sequences that identify individual driver license teams.

Figures 2 and 3 display each of the two forms used by the Driver License Office to issue licenses. The first form is used by on line teams. For a list of these DL teams see the first section of this report. The second form is used by itinerant locations, and in the event of telecommunications failure, by the permanent locations.

From the driver license master file the following information will be extracted for the period of November 1979 to October 1980:

1. County of residence of person issued the license, by location.
2. Number of various license types issued, by location.

This information will be separated by location by days of the the week. Separate totals will be generated for Tuesday, Saturday, and another for the rest of the week. This information will then be evaluated to determine the impact of Tuesday evening service and Saturday service. Figures 4 and 5 show maps that locate counties with evening or Saturday service, respectively. By looking at the distribution of licenses issued by county of residence for a county such as Winneshiek, which offers Tuesday evening service at Decorah, and comparing the distribution of out of county licenses issued on Tuesday to those issued on Wednesday through Friday, a measure of the effectiveness of evening service can be obtained. The same technique can be used to evaluate Saturday service.

### Limitations of Data

1. Because no location or driver license team identifier is included in the computer record, use of this file in its current form is limited.
2. Some items such as whether a driver test was given, or a written test was given, are not included in the file.

### Observations

The Driver License Office should investigate, with Data Processing, the possibility of using this file to generate periodic reports showing driver license location activities. This would involve the addition of a variable to

## FIGURE 2 ONLINE FORM

CONTROL NO.	
9996934	
DL DIST	RACE
CO. NO.	EYES

DIRECTOR OF TRANSPORTATION

IOWA DRIVER LICENSE

SIGNATURE			

REINSTATEMENT RECEIPT NUMBER			
DATE	DISTRICT	SCHOOL	COUNTY
OLD LAST NAME		DUP/RESS	
OLD FIRST NAME		RETALES	
OLD DL NUMBER		L20	R20
G	C	U	2040
		YES	NO
R	N	D	I
P	S	V	
RENEW		M	X
		E	L

PREVIOUS CNTL NO.	ISSUE DATE
FEE	CHECK CASH
REIN STATE	WRITTEN
ORAL	FOREIGN
DRIVING EXAM	
DOCUMENT	

DO YOU HAVE ANY MENTAL OR PHYSICAL DISABILITIES WHICH WOULD AFFECT YOUR DRIVING ABILITY?  YES  NO

IF YES, EXPLAIN \_\_\_\_\_

HAS YOUR DRIVING PRIVILEGE IN THIS STATE OR ANY OTHER JURISDICTION EVER BEEN UNDER SUSPENSION, REVOCATION, OR DENIAL?  YES  NO

REASON \_\_\_\_\_ DATE \_\_\_\_\_

I REPRESENT THE STATEMENTS ON THIS APPLICATION TO BE TRUE AND THE FEE COLLECTED TO BE CORRECT, AND IF APPLICABLE THE CHANGE RETURNED TO BE CORRECT PLEASE READ THE ABOVE AND SIGN IN THIS SIGNATURE AREA

WITNESS \_\_\_\_\_





FIGURE 4

COUNTIES WITH TUESDAY SERVICE

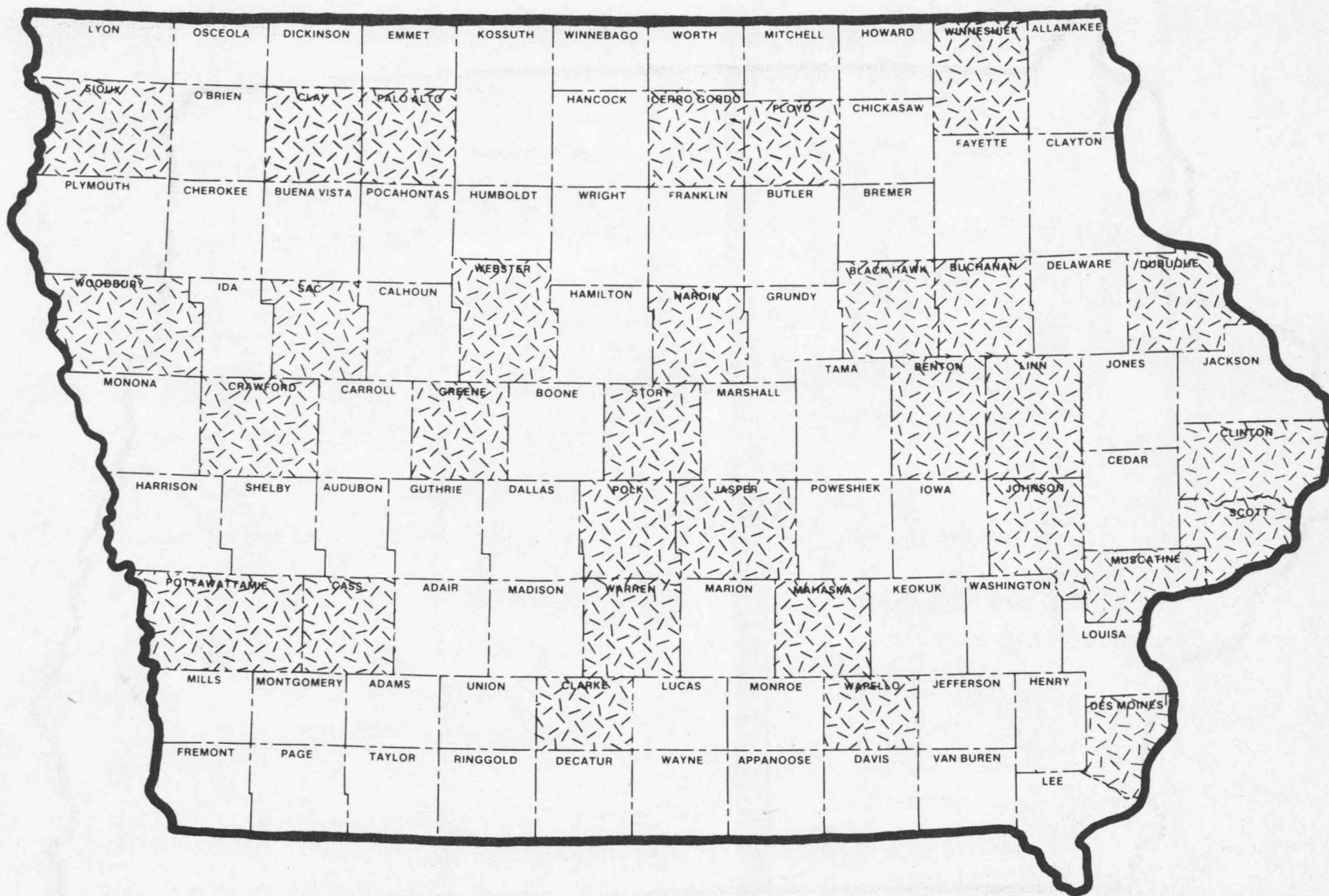
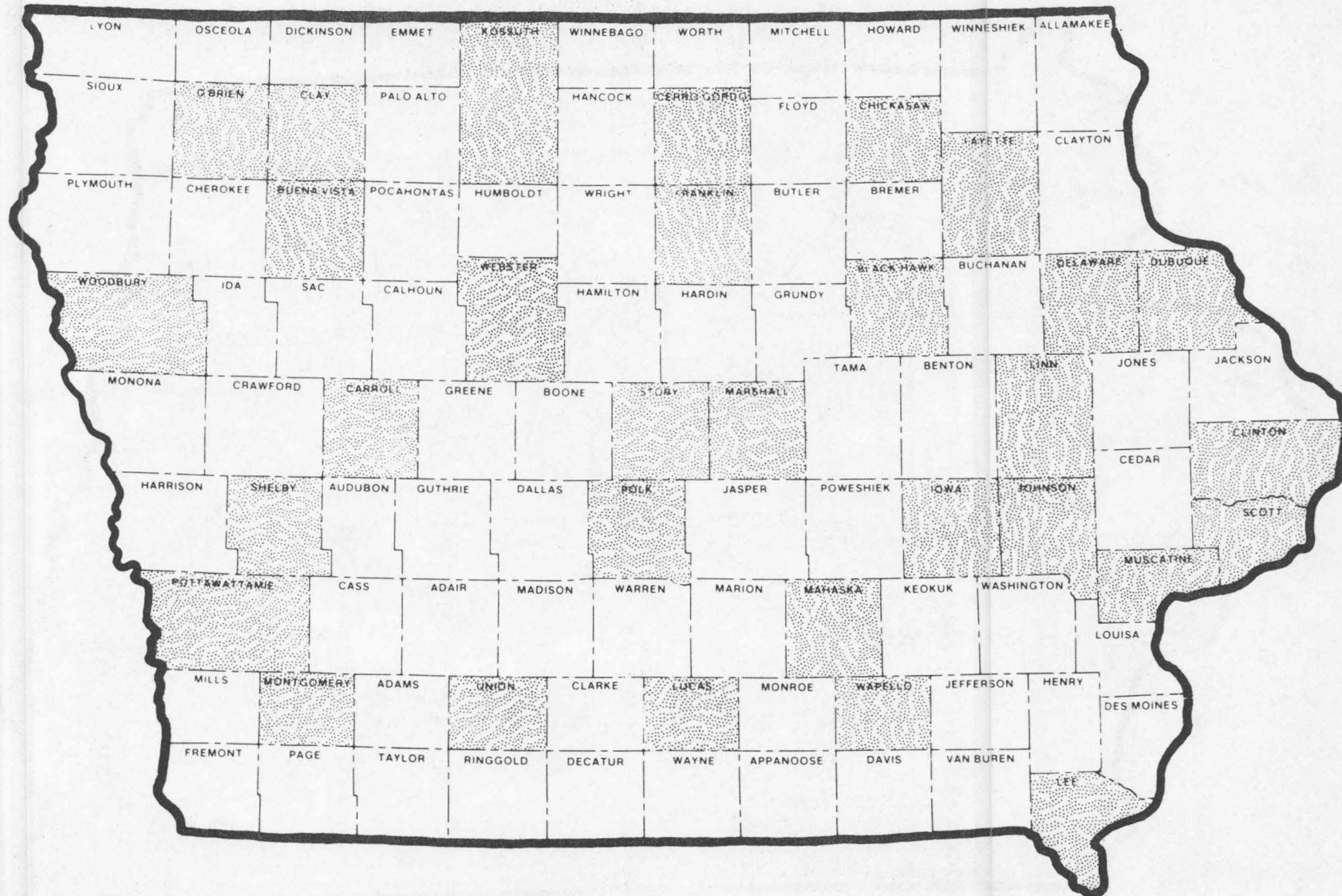


FIGURE 5

COUNTIES WITH SATURDAY SERVICE



each record that would identify each location and possible other variables to identify items such as those mentioned in the above section on limitations. If this is not feasible, or would not provide the needed information, then the possibility of building a separate computer file using the information from each of the two types of driver license forms should be investigated.

Additional information that could be compiled for on line location is the licenses issued for each hour. If hourly data is needed, the possibility of compiling the information from terminal entry operations should be investigated. Data from the April 1980 survey indicated 39 percent of all licenses issued were from permanent locations.



## VII. OTHER DATA SOURCES USED IN EVALUATION OF THE DRIVER LICENSE OFFICE

The following table shows the distance from a DL team's base station to each of its remaining itinerant locations. This data was taken from the mileage table of the statewide traffic model which is contained on a computer listing and available from the Office of Advance Planning, Traffic Estimation Section.

Also used in the analysis was 1970 census data. This data was gathered from two sources: County population was obtained from the census publication, "General Social and Economic Characteristics, Iowa" - Table 43; incorporated area populations were obtained from the cities computer tape maintained by the Office of Transportation Inventory.

Based on 1970 census figures, 55.97 percent of the Iowa population has a driver license location in the incorporated area in which they live. If contiguous areas are included this is increased to 58.3 percent of the population.

The following tables show the 1970 population data for incorporated areas with a driver license location.<sup>1</sup> The list by location shows 0 population for the second and subsequent listings of Des Moines, which has four locations, and Cedar Rapids, which has two locations.

<sup>1</sup>After analysis of the data was completed 1980 preliminary census figures became available. These figures are also shown on the computer listings. These numbers were taken from 1980 census of Population and Housing, PHC80, Page 17, Feb 1981.

TABLE 10  
TRAVEL DISTANCES

		<u>Miles</u>
DL Team No. 1 -- Base: Ames		
Ames to:	Adel	49
	Perry	38
	Boone	15
	Nevada	8
DL Team No. 2 -- Des Moines (Permanent)		
DL Team No. 3 -- Des Moines (Permanent)		
DL Team No. 4 -- Base: Creston		
Creston to:	Osceola	33
	Winterset	39
	Mount Ayr	31
	Bedford	41
	Greenfield	22
	Leon	53
DL Team No. 5 -- Base: Red Oak		
Red Oak to:	Atlantic	35
	Shenandoah	23
	Sidney	39
	Clarinda	32
	Corning	27
	Glenwood	28
DL Team No. 6 -- Council Bluffs (Permanent)		
DL Team No. 7 -- Base: Carroll		
Carroll to:	Jefferson	28
	Guthrie Center	44
	Audubon	28
DL Team No. 8 -- Sioux City (Permanent)		
DL Team No. 9 -- Base: Storm Lake		
Storm Lake to:	Sac City	25
	Ida Grove	39
	Pocahontas	32

TABLE 10  
TRAVEL DISTANCES (Continued)

		<u>Miles</u>
DL Team No. 10 -- Base:	Sheldon	
Sheldon to:	Orange City	19
	Rock Valley	24
	Sibley	17
	Primghar	19
	Rock Rapids	33
	LeMars	34
DL Team No. 11 -- Base:	Algona	
Algona to:	Emmetsburg	25
	Forest City	42
	Swea City	27
	Garner	33
	Britt	24
DL Team No. 12 -- Base:	Fort Dodge	
Fort Dodge to:	Rockwell City	25
	Humboldt	17
	Webster City	22
DL Team No. 13 -- Base:	Mason City	
Mason City to:	Osage	30
	Northwood	21
	Clear Lake	11
DL Team No. 14 -- Base:	Hampton	
Hampton to:	Iowa Falls	18
	Allison	22
	Ackley	21
	Eldora	36
	Clarion	28
	Belmond	28
	Eagle Grove	42



TABLE 10  
TRAVEL DISTANCES (Continued)

	<u>Miles</u>
DL Team No. 15 -- Base: West Union	
West Union to: Decorah	26
Lansing	52
Monona	28
Postville	18
Strawberry Point	32
Waukon	35
McGregor	40
Elkader	25
DL Team No. 16 -- Base: Cedar Falls	
Cedar Falls to: Grundy Center	27
Oelwein	37
Parkersburg	20
DL Team No. 17 -- Waterloo (Permanent)	
DL Team No. 18 -- Dubuque (Permanent)	
DL Team No. 19 -- Base: Marshalltown	
Marshalltown to: Newton	32
DL Team No. 20 -- Base: Marengo	
Marengo to: Vinton	26
Washington	57
Toledo	36
Belle Plaine	17
DL Team No. 21 -- Cedar Rapids (Permanent)	
DL Team No. 22 -- Base: Clinton	
Clinton to: Bellevue	37
DeWitt	20
Maquoketa	38
DL Team No. 23 -- Bettendorf (Permanent)	
DL Team No. 24 -- Iowa City (Permanent)	

TABLE 10  
TRAVEL DISTANCES (Continued)

	<u>Miles</u>
DL Team No. 25 -- Base: Fort Madison	
Fort Madison to: Burlington	19
Keokuk	24
DL Team No. 26 -- Base: Ottumwa	
Ottumwa to: Fairfield	26
Bloomfield	20
Keosauqua	42
DL Team No. 27 -- Base: Chariton	
Chariton to: Indianola	37
Knoxville	26
Centerville	42
Albia	28
Corydon	18
DL Team No. 28 -- Marion (Permanent)	
DL Team No. 29 -- Des Moines (Permanent)	
DL Team No. 30 -- Davenport (Permanent)	
DL Team No. 31 -- Base: Muscatine	
Muscatine to: Wapello	22
Mount Pleasant	50
Tipton	28
DL Team No. 32 -- Base: Spencer	
Spencer to: Estherville	36
Cherokee	47
Spirit Lake	21
DL Team No. 33 -- Base: Harlan	
Harlan to: Denison	27
Onawa	58
Logan	26
Missouri Valley	34
Oakland	25
Avoca	12

TABLE 10  
TRAVEL DISTANCES (Continued)

	<u>Miles</u>
DL Team No. 34 -- Base: Oskaloosa	
Oskaloosa to: Grinnell	34
Sigourney	24
Montezuma	25
Pella	17
DL Team No. 35 -- Base: Manchester	
Manchester to: Independence	23
Cascade	33
Dyersville	18
Guttenburg	40
Anamosa	40
Monticello	28
DL Team No. 36 -- Base: New Hampton	
New Hampton to: Charles City	19
Waverly	32
Cresco	31
Sumner	26
Tripoli	23
DL Team No. 40 -- Des Moines (Permanent)	
DL Team No. 41 -- Cedar Rapids (Permanent)	



TABLE 11  
LOCATION POPULATIONS

CITY	POP 1970	CLNO	FCP1980
ACKLEY	1794	14	1899
ADEL	2419	1	2848
ALBIA	4151	27	4175
ALGONA	6032	11	6298
ALLISON	1071	14	1134
AMES	39505	1	45723
ANAMOSA	4389	35	4949
ATLANTIC	7306	5	7778
AUCUBON	2907	7	2841
AVCCA	1535	33	1656
BEDFORD	1733	4	1702
BELLE PLAINE	2810	20	2967
BELLEVUE	2336	22	2461
BELMOND	2358	14	2504
BETTENDORF	22126	23	27275
BLOOMFIELD	2718	26	2850
BONE	12645	1	1257
BRITT	2069	11	2187
BURLINGTON	32366	25	28493
CARROLL	8716	7	9353
CASCADE	1744	35	1878
CEDAR FALLS	29597	16	36136
CEDAR RAPIDS	110642	41	110124
CEDAR RAPIDS	0	21	0
CENTERVILLE	6531	27	6569
CHARITON	5009	27	4999
CHARLES CITY	5268	36	8769
CHEROKEE	7272	32	6996
CLARINDA	5420	5	5452
CLARION	2972	14	2966
CLEAR LAKE	6430	13	7449
CLINTON	34719	22	32779
COERING	2095	5	1939
CORYDON	1745	27	1813
COUNCIL BLUFFS	60348	6	56343
CRESCO	3927	36	3862
CRESTON	8234	4	8445
DAVENPORT	98469	30	103036
DE WITT	3647	22	4503
DEGRAH	7458	15	7987
DENISON	6218	33	6668
DES MOINES	201404	2	190909
DES MOINES	0	3	0
DES MOINES	0	29	0
DES MOINES	0	40	0
DUBUQUE	62309	18	62286
DYERSVILLE	3437	35	3815
EAGLE GROVE	4489	14	4312
ELCORA	3223	14	3152
ELKADER	1592	15	1689
EMMETSBURG	4150	11	4616
ESTERVILLE	8108	32	7930
FAIRFIELD	8715	26	9474
FOREST CITY	3841	11	4269
FORT DODGE	31263	12	29280
FORT MADISON	13996	25	13496

TABLE 11 (Continued)  
LOCATION POPULATIONS

CITY	POP 1970	DLNO	POP 1980
GARNER	2217	11	2911
GLENWOOD	4195	5	5271
GREENFIELD	2212	4	2244
GRINNELL	8402	34	8864
GRUNDY CENTER	2712	16	2879
GUTHRIE CENTER	1834	7	1715
GUTTENBERG	2177	35	2416
HAMPTON	4376	14	4618
HARLAN	5049	33	5357
HUMBOLDT	4665	12	4756
IDA GROVE	2261	9	2284
INDEPENDENCE	5510	35	6383
INDIANOLA	8852	27	10822
IOWA CITY	46850	24	50489
IOWA FALLS	6454	14	6168
JEFFERSON	4735	7	4855
KECKUK	15173	25	13512
KECSAUGUA	1018	26	996
KNOXVILLE	7755	27	8086
LANSING	1227	15	1177
LE MARS	8159	10	8268
LEON	2142	4	2093
LOGAN	1526	33	1542
MANCHESTER	4641	35	4938
MAGLICKETA	5677	22	6266
MARENGO	2235	20	2310
MARION	18028	28	19508
MARSHALLTOWN	26219	19	26852
MASON CITY	31839	13	30100
MC GREGOR	990	15	938
MISSOURI VALLEY	3519	33	3113
MCANEA	1395	15	1531
MONTEZUMA	1353	34	1486
MONTICELLO	3509	35	3644
MOUNT Ayr	1762	4	1938
MOUNT PLEASANT	7007	31	7311
MUSCATINE	22405	31	23395
NEVADA	4552	1	5912
NEW HAMPTON	3621	36	3923
NEWTON	15619	19	15286
NORTHWOOD	1950	13	2150
OKLAND	1603	33	1551
GELWEIN	7735	16	7551
OSAWA	3154	33	3276
OSAGE CITY	3572	10	4557
OSAGE	3815	13	3707
OSCEOLA	3124	4	3756
OSKALOUSA	11224	34	10971
OTTUMWA	29610	26	27354
PARKERSBURG	1631	16	1982
PELLA	6784	34	8246
PERRY	6906	1	7071
POCAHONTAS	2338	9	2353
POSTVILLE	1546	15	1465
PRIMGHAR	995	10	1056
RED OAK	6210	5	6803



TABLE 11 (Continued)  
 LOCATION POPULATIONS

CITY	POP1970	DLNC	POP1980
ROCK RAPIDS	2632	10	2687
ROCK VALLEY	2205	10	2698
ROCKWELL CITY	2396	12	1048
SAC CITY	3268	9	2993
SHELDON	4535	10	5007
SHEMANGOAH	5968	5	6248
SIBLEY	2749	10	3037
SICNEY	1061	5	1305
SIGOURNEY	2319	34	2322
SIOUX CITY	85925	8	81804
SPENCER	10278	32	11281
SPIRIT LAKE	3014	32	3990
STORM LAKE	8591	9	8784
STRAWBERRY POINT	1281	15	1460
SUMNER	2174	36	2334
SWEA CITY	774	11	811
TIPTON	2877	31	3054
TCLECO	2361	20	2440
TRIPOLI	1345	36	1279
VINTON	4845	20	5043
WAPELLC	1873	31	2005
WASHINGTON	6317	20	6623
WATERLOO	75533	17	75540
WAUKEN	3883	15	3970
WAVERLY	7205	36	8333
WEBSTER CITY	8488	12	8571
WEST UNION	2624	15	2771
WINTERSET	3686	4	4019
	=====		=====
	1576334		1585394



TABLE 12  
CENSUS POPULATIONS

COUNTY	POP1970	POP1980	COUNTY	POP1970	POP1980
1	9487	9515	57	163213	169720
2	6322	5729	58	10682	12023
3	14968	15050	59	10163	10323
4	15007	15515	60	13340	12841
5	9595	8540	61	11558	12611
6	22885	23665	62	22177	22840
7	132916	137518	63	26352	29478
8	26470	26169	64	41076	41565
9	22737	24708	65	11832	13381
10	21762	22867	66	13108	12285
11	20693	20735	67	12069	11658
12	16953	17665	68	9357	9194
13	14287	13529	69	12781	13412
14	22912	23039	70	37181	40318
15	17007	16887	71	17522	16983
16	17655	18622	72	8555	8307
17	49223	48332	73	18537	19064
18	17269	16197	74	13289	12609
19	14969	15346	75	24322	24718
20	7581	8623	76	12757	11343
21	18464	19131	77	286101	302634
22	20606	21091	78	86991	86241
23	56749	57028	79	18803	19290
24	19198	18897	80	6373	6112
25	26085	29580	81	15573	14165
26	8207	9131	82	142687	159579
27	9737	9788	83	15528	15026
28	18770	18930	84	27996	30740
29	46982	45152	85	62783	72294
30	12565	15519	86	20147	19541
31	90609	93634	87	8790	8370
32	14009	13350	88	13557	13882
33	26898	25430	89	8643	8624
34	19860	19556	90	42149	40244
35	13255	13029	91	27432	34857
36	9282	9409	92	18967	20187
37	12716	12114	93	8405	8179
38	14119	14365	94	48391	45813
39	12243	11980	95	12990	13019
40	18383	17834	96	21758	21842
41	13492	13834	97	103052	100575
42	22248	21847	98	8968	9019
43	16240	16351	99	17294	16188
44	18114	18859			
45	11442	11097			
46	12519	12224			
47	9283	8877			
48	15419	15413			
49	20839	22486			
50	35425	36417			
51	15774	16343			
52	72127	81549			
53	19868	20386			
54	13943	12916			
55	22937	21867			
56	42996	43045			

## VIII. SUMMARY

In using the data that the Driver License Office had available, it was found that most items needed for decisions are already available. However, human organization of the data into the formats needed for the information to be useful would be extremely time consuming. Because of this it is recommended the Driver License Office, in conjunction with Data Processing, develop computer file(s) and programs to use the existing data.

Use of the newly developed driver license master file's information to make decisions based on efficiency of operation will be almost impossible if a variable identifying locations is not added. This should also be considered by the Driver License Office in conjunction with Data Processing.

The original proposal called for developing techniques to optimize service based on fixed ranges of values for station operating times and development of a range of desired average licenses issued per hour. Because of the complex interaction of locations as listed in the section on the January - October 1980 data, an alternative approach was developed. This approach does not require a given license issued per hour value. It involves a technique for providing the optimum service for any given value of licenses issued per hour, which in turn determines the optimum number of hours a station can be open. Use of this method will require that the Driver License Office evaluate locations in areas of the state as a group, and will require a considerable amount of judgment as to what changes are desirable.

The most important data that was lacking was that which could be used to evaluate Tuesday evening and Saturday service. To make an evaluation of how important this service is would require determining if a person who got a license during those hours could have gotten it during regular hours. The only feasible method for collecting this data would be to survey those people who got their licenses during evening hours on Tuesday, and on Saturday.

## APPENDICES

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## APPENDIX A

The variables on the computer pages numbers ii - xix are as follows:

DL NO = Driver License Team Number

DA = 2 = Tuesday

= 3 = Wednesday

= 4 = Thursday

= 5 = Friday

= 6 = Saturday

OPEN = Opening time by 1/10th of an hour in military time

CLOSE = Closing time by 1/10th of an hour in military time

WAITING = Number of people waiting when a location opens

HR8 - HR 19 = Number of licenses issued for the one hour military time beginning with the indicated hour

DRIVER LICENSE TEAMS MISSING INFORMATION ON APRIL SURVEY

DL Number 1

April 30 - Wednesday - Adel

DL Number 2

April 7 - Tuesday - Des Moines

DL Number 3

April 18 - Friday - Des Moines

DL Number 8

April 25 - Friday - Sioux City

DL Number 14

April 4 - Friday - Clarion  
April 18 - Friday - Clarion

DL Number 17

April 3 - Wednesday - Waterloo  
April 4, 18 - Friday - Waterloo

DL Number 23

April 11 - Friday - Bettendorf

DL Number 26

April 12 - Saturday - Ottumwa

DL Number 29

April 3 - Thursday - Des Moines

DL Number 31

April 19 - Saturday - Muscatine

No information is available from renewal only stations

1. Ames (01) Wednesday, Thursday, Friday
2. Des Moines (40)
3. Cedar Rapids (41)



APRIL SURVEY DATA

DL\_NO=1

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
1	AMES	2	10.5	19.0	13	1	0	0	13	15	17	18	16	11	8	5	2	0	105	85	8.5	TUE
2	AMES	2	10.5	19.0	20	8	0	0	12	14	14	12	14	13	13	16	5	0	113	85	8.5	TUE
3	AMES	2	10.5	19.0	17	15	0	0	16	15	15	5	15	13	6	8	9	0	102	85	8.5	TUE
4	AMES	2	10.5	19.0	15	22	0	0	11	13	10	8	10	8	8	22	11	0	101	85	8.5	TUE
5	AMES	2	10.5	19.0	11	29	0	0	15	14	7	16	10	6	16	24	5	0	113	85	8.5	TUE
6	ADEL	3	9.2	17.0	5	2	0	13	5	9	6	10	11	5	4	0	0	0	63	25	7.8	WED
7	ADEL	3	9.2	17.0	14	16	0	10	24	8	5	7	10	11	4	0	0	0	79	25	7.8	WED
8	PERRY	3	8.7	17.0	11	9	4	28	21	22	5	8	16	19	10	0	0	0	133	25	8.3	WED
9	PERRY	3	8.7	17.0	2	23	0	14	16	11	9	11	12	19	7	0	0	0	99	25	8.3	WED
10	BOONE	4	8.2	17.0	3	3	9	27	27	14	11	9	14	17	7	0	0	0	135	8	8.8	THU
11	BOONE	4	8.2	17.0	5	10	11	16	16	16	11	10	10	18	6	0	0	0	114	8	8.8	THU
12	BOONE	4	8.2	17.0	3	17	11	21	14	13	10	8	12	13	6	0	0	0	108	8	8.8	THU
13	BOONE	4	8.2	17.0	5	24	16	27	15	6	7	13	10	25	7	0	0	0	126	8	8.8	THU
14	NEVADA	5	10.8	17.0	22	4	0	0	0	19	12	12	10	8	6	0	0	0	67	85	6.2	FRI
15	NEVADA	5	10.8	17.0	15	11	0	0	0	9	8	7	7	8	5	0	0	0	44	85	6.2	FRI
16	NEVADA	5	10.8	17.0	18	18	0	0	3	16	5	11	10	6	4	0	0	0	55	85	6.2	FRI
17	NEVADA	5	10.8	17.0	14	25	0	0	4	10	8	8	7	7	5	0	0	0	49	85	6.2	FRI
18	AMES	6	8.0	15.5	1	5	4	10	8	7	1	6	9	1	0	0	0	0	46	85	7.5	SAT
19	AMES	6	8.0	15.5	1	12	8	12	12	16	9	12	16	6	0	0	0	0	91	85	7.5	SAT
20	AMES	6	8.0	15.5	.	19	2	9	10	15	6	1	9	3	0	0	0	0	55	85	7.5	SAT
21	AMES	6	8.0	15.5	1	26	5	3	12	13	3	4	20	3	0	0	0	0	63	85	7.5	SAT

DL\_NO=2

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
22	DES MOINES	2	10.5	19.0	8	1	0	0	15	22	19	13	7	8	19	27	8	0	138	77	8.5	TUE
23	DES MOINES	2	10.5	19.0	5	15	0	0	11	15	17	15	16	17	17	16	7	0	131	77	8.5	TUE
24	DES MOINES	2	10.5	19.0	10	22	0	0	14	16	14	18	12	12	10	0	0	0	96	77	8.5	TUE
25	DES MOINES	2	10.5	19.0	15	29	0	0	15	13	12	15	8	16	20	15	20	0	134	77	8.5	TUE
26	DES MOINES	3	8.5	17.5	.	2	2	3	13	14	14	11	15	18	16	2	0	0	108	77	9.0	WED
27	DES MOINES	3	8.5	17.5	1	9	5	2	10	5	4	12	5	14	11	0	0	0	68	77	9.0	WED
28	DES MOINES	3	8.5	17.5	3	16	6	8	11	5	15	17	7	10	26	3	0	0	108	77	9.0	WED
29	DES MOINES	3	8.5	17.5	3	23	10	5	12	12	20	18	6	13	15	3	0	0	114	77	9.0	WED
30	DES MOINES	3	8.5	17.5	.	30	3	5	7	5	5	8	9	12	20	10	0	0	84	77	9.0	WED
31	DES MOINES	4	8.5	17.5	.	3	3	5	5	10	10	8	12	10	21	0	0	0	84	77	9.0	THU
32	DES MOINES	4	8.5	17.5	.	10	1	10	8	12	8	12	9	9	17	3	0	0	89	77	9.0	THU
33	DES MOINES	4	8.5	17.5	.	17	1	5	19	8	3	9	12	13	10	5	0	0	85	77	9.0	THU
34	DES MOINES	4	8.5	17.5	3	24	3	13	6	10	0	0	0	4	12	4	0	0	52	77	9.0	THU
35	DES MOINES	5	8.5	17.5	5	4	7	26	11	18	3	17	17	20	19	6	0	0	144	77	9.0	FRI
36	DES MOINES	5	8.5	17.5	3	11	2	7	9	11	3	8	8	9	9	1	0	0	67	77	9.0	FRI
37	DES MOINES	5	8.5	17.5	12	18	10	12	16	11	12	8	8	11	18	4	0	0	110	77	9.0	FRI
38	DES MOINES	5	8.5	17.5	3	25	3	9	11	15	11	19	17	15	11	4	0	0	115	77	9.0	FRI
39	DES MOINES	6	8.0	15.5	1	5	8	13	20	13	11	13	16	1	0	0	0	0	95	77	7.5	SAT
40	DES MOINES	6	8.0	15.5	.	12	2	8	18	19	26	23	8	3	0	0	0	0	107	77	7.5	SAT
41	DES MOINES	6	8.0	15.5	.	19	6	14	22	14	14	11	12	1	0	0	0	0	94	77	7.5	SAT
42	DES MOINES	6	8.0	15.5	2	26	8	15	12	23	9	13	12	6	0	0	0	0	98	77	7.5	SAT

APRIL SURVEY DATA

DL\_NO=3

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
43	DES MOINES	2	10.5	19.0	10	1	0	0	13	22	19	13	11	15	10	23	8	0	134	77	8.5	TUE
44	DES MOINES	2	10.5	19.0	21	8	0	0	6	27	25	26	19	16	14	9	6	0	148	77	8.5	TUE
45	DES MOINES	2	10.5	19.0	28	15	0	0	18	24	21	20	18	18	18	15	14	0	166	77	8.5	TUE
46	DES MOINES	2	10.5	19.0	21	22	0	0	10	23	16	11	7	12	20	10	19	0	128	77	8.5	TUE
47	DES MOINES	2	10.5	19.0	19	29	0	0	10	22	11	7	15	18	21	26	7	0	137	77	8.5	TUE
48	DES MOINES	3	8.5	17.5	.	2	5	5	13	11	13	19	14	11	16	7	0	0	114	77	9.0	WED
49	DES MOINES	3	8.5	17.5	6	9	11	11	20	18	9	11	14	11	14	3	0	0	122	77	9.0	WED
50	DES MOINES	3	8.5	17.5	3	16	8	9	13	11	13	10	8	15	8	9	0	0	104	77	9.0	WED
51	DES MOINES	3	8.5	17.5	6	23	4	9	16	12	5	14	23	19	7	7	0	0	116	77	9.0	WED
52	DES MOINES	3	8.5	17.5	9	30	6	12	5	15	10	10	11	17	17	1	0	0	104	77	9.0	WED
53	DES MOINES	4	8.5	17.5	2	3	4	5	12	12	12	16	17	19	15	4	0	0	116	77	9.0	THU
54	DES MOINES	4	8.5	17.5	4	10	7	18	16	13	8	17	16	26	8	7	0	0	136	77	9.0	THU
55	DES MOINES	4	8.5	17.5	4	17	4	13	13	9	10	16	18	14	12	0	0	0	109	77	9.0	THU
56	DES MOINES	4	8.5	17.5	4	24	1	11	14	8	10	11	16	14	16	2	0	0	103	77	9.0	THU
57	DES MOINES	5	8.5	17.5	7	4	7	11	16	15	11	14	14	20	17	2	0	0	127	77	9.0	FRI
58	DES MOINES	5	8.5	17.5	3	11	4	8	16	14	14	17	11	18	8	4	0	0	114	77	9.0	FRI
59	DES MOINES	5	8.5	17.5	0	25	3	12	10	12	12	13	16	19	10	2	0	0	109	77	9.0	FRI
60	DES MOINES	6	8.0	15.5	3	5	11	15	11	20	12	8	9	6	0	0	0	0	92	77	7.5	SAT
61	DES MOINES	6	8.0	15.5	3	12	9	15	14	19	15	15	13	11	0	0	0	0	111	77	7.5	SAT
62	DES MOINES	6	8.0	15.5	.	19	10	13	10	13	8	8	10	4	0	0	0	0	76	77	7.5	SAT
63	DES MOINES	6	8.0	15.5	.	26	6	6	18	17	10	6	11	1	0	0	0	0	75	77	7.5	SAT

DL\_NO=4

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
64	OSCEOLA	2	10.5	19.0	16	1	0	0	11	11	3	5	1	10	2	6	5	0	54	20	8.5	TUE
65	OSCEOLA	2	10.5	19.0	11	8	0	0	10	9	2	8	5	8	5	2	1	0	50	20	8.5	TUE
66	OSCEOLA	2	10.5	19.0	22	15	0	0	9	9	4	9	11	5	7	10	3	0	67	20	8.5	TUE
67	OSCEOLA	2	10.5	19.0	4	22	0	0	6	11	4	4	5	5	6	10	2	0	53	20	8.5	TUE
68	OSCEOLA	2	10.5	19.0	8	29	0	0	11	5	4	6	5	6	4	4	5	0	50	20	8.5	TUE
69	WINTERSET	3	10.5	17.0	11	2	0	0	14	10	9	11	11	5	2	0	0	0	62	61	6.5	WED
70	WINTERSET	3	10.5	17.0	13	9	0	0	14	16	2	19	10	14	1	0	0	0	76	61	6.5	WED
71	WINTERSET	3	10.5	17.0	12	16	0	0	12	11	3	9	9	9	6	0	0	0	59	61	6.5	WED
72	WINTERSET	3	10.5	17.0	1	23	0	0	11	9	3	10	8	13	4	0	0	0	58	61	6.5	WED
73	WINTERSET	3	10.5	17.0	11	30	0	0	13	5	6	7	10	9	8	0	0	0	58	61	6.5	WED
74	MT AYR	4	10.4	17.0	10	3	0	0	13	13	4	13	6	8	4	0	0	0	61	80	6.6	THU
75	MT AYR	4	10.4	17.0	16	17	0	0	12	16	5	10	10	8	3	0	0	0	64	80	6.6	THU
76	BEDFORD	4	10.9	17.0	11	10	0	0	0	19	5	11	5	6	4	0	0	0	50	87	6.1	THU
77	BEDFORD	4	10.9	17.0	6	24	0	0	0	13	1	7	5	10	5	0	0	0	41	87	6.1	THU
78	LEON	5	11.0	17.0	25	4	0	0	0	31	7	18	14	14	4	0	0	0	88	27	6.0	FRI
79	LEON	5	11.0	17.0	23	18	0	0	0	17	7	12	13	10	5	0	0	0	64	27	6.0	FRI
80	GREENFIELD	5	9.5	17.0	6	11	0	6	10	3	6	6	5	8	2	0	0	0	46	1	7.5	FRI
81	GREENFIELD	5	9.5	17.0	12	25	0	11	13	3	5	4	9	16	2	0	0	0	63	1	7.5	FRI
82	CRESTON	6	8.0	15.5	5	5	14	12	15	11	9	13	4	2	0	0	0	0	80	88	7.5	SAT
83	CRESTON	6	8.0	15.5	2	12	11	16	23	9	6	16	5	1	0	0	0	0	87	88	7.5	SAT
84	CRESTON	6	8.0	15.5	2	19	10	12	22	16	3	15	9	1	0	0	0	0	88	88	7.5	SAT
85	CRESTON	6	8.0	15.5	7	26	13	12	8	9	4	14	6	2	0	0	0	0	68	88	7.5	SAT



APRIL SURVEY DATA

DL\_NO=5

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
86	ATLANTIC	2	10.5	19	18	1	0	0	8	13	5	11	18	12	10	4	5	0	86	15	8.5	TUE
87	ATLANTIC	2	10.5	19	30	8	0	0	9	21	8	12	12	17	16	7	7	0	109	15	8.5	TUE
88	ATLANTIC	2	10.5	19	21	15	0	0	17	16	8	13	9	11	9	7	7	0	97	15	8.5	TUE
89	ATLANTIC	2	10.5	19	14	22	0	0	11	10	3	6	5	13	12	8	17	0	85	15	8.5	TUE
90	ATLANTIC	2	10.5	19	20	29	0	0	9	24	6	10	10	8	10	9	3	0	89	15	8.5	TUE
91	SHENANDOAH	3	9.5	17	.	2	0	14	17	11	4	7	7	3	12	0	0	0	75	73	7.5	WED
92	SHENANDOAH	3	9.5	17	.	9	0	12	19	6	3	7	12	7	9	0	0	0	75	73	7.5	WED
93	SHENANDOAH	3	9.5	17	.	16	0	9	8	7	6	9	7	5	5	0	0	0	56	73	7.5	WED
94	SHENANDOAH	3	9.5	17	.	23	0	11	9	9	2	15	12	9	12	0	0	0	79	73	7.5	WED
95	SHENANDOAH	3	9.5	17	.	30	0	10	11	3	4	13	11	11	3	0	0	0	66	73	7.5	WED
96	CLARINDA	4	10.2	17	20	3	0	0	21	15	8	13	20	13	5	0	0	0	95	73	6.8	THU
97	CLARINDA	4	10.2	17	14	17	0	0	20	18	17	9	11	17	15	0	0	0	107	73	6.8	THU
98	SIDNEY	4	10.7	17	13	10	0	0	6	11	3	6	9	3	4	0	0	0	42	36	6.3	THU
99	SIDNEY	4	10.7	17	20	24	0	0	7	11	3	8	8	3	2	0	0	0	42	36	6.3	THU
100	GLENWOOD	5	10.7	17	21	4	0	0	9	23	5	16	9	12	9	0	0	0	83	65	6.3	FRI
101	GLENWOOD	5	10.7	17	11	18	0	0	11	11	8	10	8	9	9	0	0	0	66	65	6.3	FRI
102	CORNING	5	10.2	17	15	11	0	0	15	13	8	6	10	4	4	0	0	0	60	2	6.8	FRI
103	CORNING	5	10.2	17	12	25	0	0	12	11	4	10	9	6	15	0	0	0	67	2	6.8	FRI
104	RED OAK	6	8.0	16	5	5	8	19	14	10	5	8	8	2	0	0	0	0	74	69	8.0	SAT
105	RED OAK	6	8.0	16	1	12	7	13	21	13	6	8	11	3	0	0	0	0	82	69	8.0	SAT
106	RED OAK	6	8.0	16	5	19	6	19	11	9	5	7	10	3	0	0	0	0	70	69	8.0	SAT
107	RED OAK	6	8.0	16	6	26	10	16	17	7	1	11	5	1	0	0	0	0	68	69	8.0	SAT

DL\_NO=6

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
108	COUNCIL BLUFFS	2	10.5	19.0	.	1	0	0	16	19	5	7	12	16	26	15	3	0	119	78	8.5	TUE
109	COUNCIL BLUFFS	2	10.5	19.0	.	8	0	0	14	20	13	21	17	14	13	21	1	0	134	78	8.5	TUE
110	COUNCIL BLUFFS	2	10.5	19.0	.	15	0	0	18	22	8	9	10	25	18	14	7	0	131	78	8.5	TUE
111	COUNCIL BLUFFS	2	10.5	19.0	.	22	0	0	14	13	15	13	11	19	24	5	4	0	118	78	8.5	TUE
112	COUNCIL BLUFFS	2	10.5	19.0	.	29	0	0	12	12	9	13	8	7	13	15	9	0	98	78	8.5	TUE
113	COUNCIL BLUFFS	3	8.5	17.5	.	2	1	9	9	7	10	14	11	15	12	2	0	0	90	78	9.0	WED
114	COUNCIL BLUFFS	3	8.5	17.5	.	9	2	11	11	9	8	9	17	13	15	16	0	0	111	78	9.0	WED
115	COUNCIL BLUFFS	3	8.5	17.5	.	16	4	10	7	8	7	10	2	11	15	0	0	0	74	78	9.0	WED
116	COUNCIL BLUFFS	3	8.5	17.5	.	23	2	5	11	17	8	9	12	6	13	1	0	0	84	78	9.0	WED
117	COUNCIL BLUFFS	3	8.5	17.5	.	30	3	7	10	11	9	6	14	6	14	3	0	0	83	78	9.0	WED
118	COUNCIL BLUFFS	4	8.5	18.0	.	3	7	8	10	11	6	8	5	11	5	6	0	0	77	78	9.5	THU
119	COUNCIL BLUFFS	4	8.5	18.0	.	10	1	10	7	8	3	8	10	5	12	1	0	0	65	78	9.5	THU
120	COUNCIL BLUFFS	4	8.5	18.0	.	17	2	7	11	6	5	8	14	13	14	0	0	0	80	78	9.5	THU
121	COUNCIL BLUFFS	4	8.5	18.0	.	24	5	5	10	5	4	8	9	7	8	5	0	0	66	78	9.5	THU
122	COUNCIL BLUFFS	5	8.5	17.5	.	4	3	17	13	10	6	6	13	6	8	0	0	0	82	78	9.0	FRI
123	COUNCIL BLUFFS	5	8.5	17.5	.	11	0	12	12	11	8	8	7	6	5	0	0	0	69	78	9.0	FRI
124	COUNCIL BLUFFS	5	8.5	17.5	.	18	2	12	11	6	5	9	11	8	9	7	0	0	80	78	9.0	FRI
125	COUNCIL BLUFFS	5	8.5	17.5	.	25	0	7	10	5	6	7	10	6	14	2	0	0	67	78	9.0	FRI
126	COUNCIL BLUFFS	6	8.0	15.5	.	5	1	6	10	2	7	2	6	0	0	0	0	0	34	78	7.5	SAT
127	COUNCIL BLUFFS	6	8.0	15.5	.	12	2	6	16	6	9	4	6	0	0	0	0	0	49	78	7.5	SAT
128	COUNCIL BLUFFS	6	8.0	15.5	.	19	3	12	9	3	8	2	9	0	0	0	0	0	46	78	7.5	SAT
129	COUNCIL BLUFFS	6	8.0	15.5	.	26	3	9	17	7	5	10	11	0	0	0	0	0	62	78	7.5	SAT



APRIL SURVEY DATA

DL\_NO=7

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
130	JEFFERSON	2	10.5	19.0	5	1	0	0	7	5	4	12	9	11	12	4	3	0	67	37	8.5	TUE
131	JEFFERSON	2	10.5	19.0	10	8	0	0	14	12	4	7	10	5	2	6	3	0	63	37	8.5	TUE
132	JEFFERSON	2	10.5	19.0	10	15	0	0	12	15	6	7	6	10	10	9	3	0	78	37	8.5	TUE
133	JEFFERSON	2	10.5	19.0	10	22	0	0	10	6	1	6	5	4	9	5	0	0	46	37	8.5	TUE
134	JEFFERSON	2	10.5	19.0	8	29	0	0	15	3	3	4	6	7	15	7	5	0	65	37	8.5	TUE
135	GUTHRIE CENTER	3	10.2	17.0	5	2	0	0	9	3	1	10	5	3	0	0	0	0	31	39	6.8	WED
136	GUTHRIE CENTER	3	10.2	17.0	6	9	0	0	14	2	1	12	5	7	4	0	0	0	45	39	6.8	WED
137	GUTHRIE CENTER	3	10.2	17.0	10	16	0	0	12	7	1	4	5	4	3	0	0	0	36	39	6.8	WED
138	GUTHRIE CENTER	3	10.2	17.0	11	23	0	0	10	7	2	6	9	6	4	0	0	0	44	39	6.8	WED
139	GUTHRIE CENTER	3	10.2	17.0	2	30	0	0	11	5	4	5	1	12	5	0	0	0	43	39	6.8	WED
140	AUDUBON	4	10.2	17.0	10	3	0	0	17	14	4	15	12	7	1	0	0	0	70	5	6.8	THU
141	AUDUBON	4	10.2	17.0	5	10	0	0	11	5	2	4	4	5	4	0	0	0	35	5	6.8	THU
142	AUDUBON	4	10.2	17.0	11	17	0	0	16	5	5	2	12	4	7	0	0	0	51	5	6.8	THU
143	AUDUBON	4	10.2	17.0	5	24	0	0	9	8	5	1	8	8	2	0	0	0	41	5	6.8	THU
144	CARROL	5	8.8	17.0	2	4	3	17	17	18	5	3	6	5	0	0	0	0	74	14	8.2	FRI
145	CARROL	5	8.8	17.0	3	11	4	14	16	4	2	12	16	6	5	0	0	0	79	14	8.2	FRI
146	CARROL	5	8.8	17.0	2	18	2	16	3	8	3	15	10	16	4	0	0	0	77	14	8.2	FRI
147	CARROL	5	8.8	17.0	7	25	3	18	14	11	5	7	9	13	7	0	0	0	87	14	8.2	FRI
148	CARROL	6	8.0	15.5	0	5	2	8	17	8	0	1	6	1	0	0	0	0	43	14	7.5	SAT
149	CARROL	6	8.0	15.5	0	12	5	10	9	10	0	2	8	0	0	0	0	0	44	14	7.5	SAT
150	CARROL	6	8.0	15.5	0	19	7	13	18	9	4	5	11	0	0	0	0	0	67	14	7.5	SAT
151	CARROL	6	8.0	15.5	0	26	4	16	23	13	1	3	10	0	0	0	0	0	70	14	7.5	SAT

DL\_NO=8

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
152	SIoux CITY	2	10.5	19.0	20	1	0	0	20	14	22	8	10	20	17	20	10	0	141	97	8.5	TUE
153	SIoux CITY	2	10.5	19.0	0	8	0	0	21	29	10	26	22	16	16	10	3	0	153	97	8.5	TUE
154	SIoux CITY	2	10.5	19.0	0	15	0	0	23	22	16	21	13	21	24	8	14	0	162	97	8.5	TUE
155	SIoux CITY	2	10.5	19.0	0	22	0	0	30	11	9	18	15	15	16	18	8	0	140	97	8.5	TUE
156	SIoux CITY	2	10.5	19.0	0	29	0	0	24	20	16	20	12	14	14	11	10	0	141	97	8.5	TUE
157	SIoux CITY	3	8.5	17.5	0	2	8	10	9	13	19	16	13	11	7	2	0	0	108	97	9.0	WED
158	SIoux CITY	3	8.5	17.5	0	9	3	16	16	8	11	12	16	17	19	3	0	0	121	97	9.0	WED
159	SIoux CITY	3	8.5	17.5	0	16	2	11	18	14	8	9	11	11	14	1	0	0	99	97	9.0	WED
160	SIoux CITY	3	8.5	17.5	0	23	7	13	10	13	8	5	18	14	16	3	0	0	107	97	9.0	WED
161	SIoux CITY	3	8.5	17.5	0	30	0	2	11	8	11	7	19	17	12	1	0	0	88	97	9.0	WED
162	SIoux CITY	4	8.5	17.5	0	3	2	3	11	8	5	14	19	7	14	0	0	0	83	97	9.0	THU
163	SIoux CITY	4	8.5	17.5	0	10	4	9	17	16	11	15	16	17	16	2	0	0	123	97	9.0	THU
164	SIoux CITY	4	8.5	17.5	0	17	1	10	5	10	3	12	6	7	15	6	0	0	75	97	9.0	THU
165	SIoux CITY	4	8.5	17.5	0	24	1	9	11	12	7	12	22	17	21	0	0	0	112	97	9.0	THU
166	SIoux CITY	5	8.5	17.5	0	4	8	10	13	18	11	21	16	8	12	6	0	0	123	97	9.0	FRI
167	SIoux CITY	5	8.5	17.5	0	11	2	10	11	13	10	15	11	7	18	1	0	0	98	97	9.0	FRI
168	SIoux CITY	5	8.5	17.5	0	18	6	9	10	10	11	12	11	14	16	1	0	0	100	97	9.0	FRI
169	SIoux CITY	6	8.0	16.0	.	5	8	17	13	14	15	13	29	6	0	0	0	0	115	97	8.0	SAT
170	SIoux CITY	6	8.0	16.0	.	12	6	15	16	18	13	16	20	2	0	0	0	0	106	97	8.0	SAT
171	SIoux CITY	6	8.0	16.0	.	19	15	10	18	21	9	5	9	2	0	0	0	0	89	97	8.0	SAT
172	SIoux CITY	6	8.0	16.0	.	26	4	15	23	19	10	16	17	8	0	0	0	0	112	97	8.0	SAT



APRIL SURVEY DATA

DL\_N0=9

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
173	SAC CITY	2	10.5	19.0	7	1	0	0	8	8	2	6	7	5	6	8	3	0	53	81	8.5	TUE
174	SAC CITY	2	10.5	19.0	10	8	0	0	19	1	5	13	5	7	3	4	6	0	63	81	8.5	TUE
175	SAC CITY	2	10.5	19.0	10	15	0	0	20	6	1	8	6	7	5	6	6	0	65	81	8.5	TUE
176	SAC CITY	2	10.5	19.0	14	22	0	0	14	5	3	6	4	7	4	1	0	0	44	81	8.5	TUE
177	SAC CITY	2	10.5	19.0	13	29	0	0	16	6	2	8	2	2	5	6	3	0	50	81	8.5	TUE
178	IDA GROVE	3	10.2	17.0	16	2	0	0	30	4	3	12	13	5	9	0	0	0	76	47	6.8	WED
179	IDA GROVE	3	10.2	17.0	0	9	0	0	27	7	5	11	8	8	4	0	0	0	70	47	6.8	WED
180	IDA GROVE	3	10.2	17.0	5	16	0	0	19	4	4	10	7	7	8	0	0	0	59	47	6.8	WED
181	IDA GROVE	3	10.2	17.0	18	23	0	0	16	11	3	13	13	7	12	0	0	0	75	47	6.8	WED
182	IDA GROVE	3	10.2	17.0	7	30	0	0	14	4	6	10	7	4	11	0	0	0	56	47	6.8	WED
183	POCAHONTAS	4	10.2	17.0	12	3	0	0	11	6	1	7	10	17	1	0	0	0	53	76	6.8	THU
184	POCAHONTAS	4	10.2	17.0	11	10	0	0	18	10	3	6	16	16	6	0	0	0	75	76	6.8	THU
185	POCAHONTAS	4	10.2	17.0	8	17	0	0	10	5	7	6	8	13	1	0	0	0	50	76	6.8	THU
186	POCAHONTAS	4	10.2	17.0	14	24	0	0	15	11	3	9	12	15	10	0	0	0	75	76	6.8	THU
187	STORM LAKE	5	8.8	17.0	3	4	0	16	10	6	5	9	9	8	13	0	0	0	76	11	8.2	FRI
188	STORM LAKE	5	8.8	17.0	2	11	0	13	17	8	6	5	9	10	7	0	0	0	75	11	8.2	FRI
189	STORM LAKE	5	8.8	17.0	7	18	0	18	11	8	4	12	6	7	22	0	0	0	88	11	8.2	FRI
190	STORM LAKE	5	8.8	17.0	2	25	0	13	9	5	8	5	16	10	12	0	0	0	78	11	8.2	FRI
191	STORM LAKE	6	8.0	15.5	1	5	8	11	12	7	1	7	11	3	0	0	0	0	60	11	7.5	SAT
192	STORM LAKE	6	8.0	15.5	0	12	7	12	10	8	7	10	10	5	0	0	0	0	69	11	7.5	SAT
193	STORM LAKE	6	8.0	15.5	0	19	8	8	18	8	3	8	11	3	0	0	0	0	67	11	7.5	SAT
194	STORM LAKE	6	8.0	15.5	2	26	9	15	12	13	4	5	14	3	0	0	0	0	75	11	7.5	SAT

DL\_N0=10

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
195	ROCK VALLEY	2	10.5	19.0	18	1	0	0	24	12	6	15	10	10	19	13	15	0	124	84	8.5	TUE
196	ORANGE CITY	2	10.5	19.0	25	8	0	0	23	26	8	18	13	9	18	9	7	0	131	84	8.5	TUE
197	ORANGE CITY	2	10.5	19.0	16	15	0	0	22	18	4	7	8	7	10	8	17	0	101	84	8.5	TUE
198	ORANGE CITY	2	10.5	19.0	14	22	0	0	14	16	3	9	4	13	8	6	15	0	88	84	8.5	TUE
199	ORANGE CITY	2	10.5	19.0	12	29	0	0	14	13	2	12	8	6	12	8	14	0	89	84	8.5	TUE
200	SIBLEY	3	11.4	17.0	15	2	0	0	0	15	14	17	12	6	19	0	0	0	83	72	5.6	WED
201	SIBLEY	3	11.4	17.0	16	16	0	0	0	18	9	17	12	12	13	0	0	0	81	72	5.6	WED
202	SIBLEY	3	11.4	17.0	12	30	0	0	0	19	12	13	6	15	13	0	0	0	78	72	5.6	WED
203	PRIMGHAR	3	11.4	17.0	14	9	0	0	0	20	14	10	20	6	0	0	0	0	70	71	5.6	WED
204	PRIMGHAR	3	11.4	17.0	9	23	0	0	0	14	7	9	5	9	5	0	0	0	49	71	5.6	WED
205	ROCK RAPIDS	4	9.7	17.0	1	3	0	4	13	3	2	7	13	6	0	0	0	0	48	60	7.3	THU
206	ROCK RAPIDS	4	9.7	17.0	9	10	0	8	18	5	3	8	4	9	8	0	0	0	63	60	7.3	THU
207	ROCK RAPIDS	4	9.7	17.0	7	17	0	15	9	3	2	9	16	5	3	0	0	0	62	60	7.3	THU
208	ROCK RAPIDS	4	9.7	17.0	7	24	0	9	14	7	3	15	9	12	5	0	0	0	74	60	7.3	THU
209	LEMARS	5	9.3	17.0	0	4	0	22	19	22	7	14	15	16	9	0	0	0	124	75	7.7	FRI
210	LEMARS	5	9.3	17.0	20	11	0	22	22	10	6	17	12	12	10	0	0	0	111	75	7.7	FRI
211	LEMARS	5	9.3	17.0	12	18	0	18	13	5	6	11	15	16	7	0	0	0	91	75	7.7	FRI
212	LEMARS	5	9.3	17.0	14	25	0	18	24	7	5	14	19	19	11	0	0	0	117	75	7.7	FRI
213	SHELDON	6	8.0	15.5	0	5	7	22	18	15	2	11	17	1	0	0	0	0	93	71	7.5	SAT
214	SHELDON	6	8.0	15.5	1	12	3	15	23	8	5	9	16	0	0	0	0	0	79	71	7.5	SAT
215	SHELDON	6	8.0	15.5	2	19	7	21	16	11	4	7	11	0	0	0	0	0	77	71	7.5	SAT
216	SHELDON	6	8.0	15.5	1	26	7	21	23	12	6	14	21	4	0	0	0	0	108	71	7.5	SAT



APRIL SURVEY DATA

DL\_NO=11

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
217	EMMETSBURG	2	10.5	19.0	14	1	0	0	15	6	1	15	10	8	9	3	2	0	69	74	8.5	TUE
218	EMMETSBURG	2	10.5	19.0	6	8	0	0	11	9	3	8	13	3	2	3	2	0	54	74	8.5	TUE
219	EMMETSBURG	2	10.5	19.0	10	15	0	0	11	6	3	8	6	9	5	8	9	0	65	74	8.5	TUE
220	EMMETSBURG	2	10.5	19.0	4	22	0	0	8	6	6	1	11	6	2	13	8	0	61	74	8.5	TUE
221	EMMETSBURG	2	10.5	19.0	4	29	0	0	8	2	1	11	13	7	3	7	2	0	54	74	8.5	TUE
222	FOREST CITY	3	9.0	17.0	2	2	0	11	7	10	1	9	4	13	10	0	0	0	65	95	8.0	WED
223	FOREST CITY	3	9.0	17.0	0	9	0	11	4	5	4	18	1	3	10	0	0	0	56	95	8.0	WED
224	FOREST CITY	3	9.0	17.0	6	16	0	17	14	13	3	10	13	5	16	0	0	0	91	95	8.0	WED
225	FOREST CITY	3	9.0	17.0	5	23	0	11	4	5	3	8	10	8	15	0	0	0	64	95	8.0	WED
226	FOREST CITY	3	9.0	17.0	4	30	0	15	9	3	2	9	8	8	17	0	0	0	71	95	8.0	WED
227	SWEA CITY	4	11.0	17.0	5	3	0	0	0	7	3	7	12	5	3	0	0	0	37	55	6.0	THU
228	SWEA CITY	4	11.0	17.0	18	10	0	0	0	26	7	6	9	10	5	0	0	0	63	55	6.0	THU
229	SWEA CITY	4	11.0	17.0	21	17	0	0	0	23	8	8	8	7	8	0	0	0	62	55	6.0	THU
230	SWEA CITY	4	11.0	17.0	11	24	0	0	0	15	2	3	7	4	11	0	0	0	42	55	6.0	THU
231	BRITT	5	10.6	17.0	8	4	0	0	9	17	3	3	7	10	4	0	0	0	53	41	6.4	FRI
232	BRITT	5	10.6	17.0	5	18	0	0	15	8	6	7	18	19	5	0	0	0	78	41	6.4	FRI
233	GARNER	5	10.9	17.0	2	11	0	0	0	8	6	10	10	5	6	0	0	0	45	41	6.1	FRI
234	GARNER	5	10.9	17.0	3	25	0	0	0	8	8	7	8	10	13	0	0	0	54	41	6.1	FRI
235	ALGONA	6	8.0	15.5	3	5	16	17	19	15	4	7	17	0	0	0	0	0	95	55	7.5	SAT
236	ALGONA	6	8.0	15.5	0	12	12	16	21	24	9	14	19	7	0	0	0	0	122	55	7.5	SAT
237	ALGONA	6	8.0	15.5	0	19	14	17	24	12	5	10	11	0	0	0	0	0	93	55	7.5	SAT
238	ALGONA	6	8.0	15.5	1	26	16	15	20	14	5	16	10	0	0	0	0	0	96	55	7.5	SAT

DL\_NO=12

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
239	FORT DODGE	2	10.5	19.0	8	1	0	0	18	15	8	19	7	12	14	7	6	0	106	94	8.5	TUE
240	FORT DODGE	2	10.5	19.0	40	8	0	0	17	29	9	18	13	22	11	9	6	0	134	94	8.5	TUE
241	FORT DODGE	2	10.5	19.0	13	15	0	0	20	21	16	15	16	15	10	9	16	0	138	94	8.5	TUE
242	FORT DODGE	2	10.5	19.0	0	22	0	0	17	8	9	10	14	16	16	20	5	0	115	94	8.5	TUE
243	FORT DODGE	2	10.5	19.0	18	29	0	0	16	18	3	19	16	12	14	7	11	0	116	94	8.5	TUE
244	HUMBOLT	3	8.5	17.0	8	2	9	16	13	8	10	9	6	14	12	0	0	0	97	46	8.5	WED
245	HUMBOLT	3	8.5	17.0	4	16	7	21	15	8	10	12	15	12	3	0	0	0	103	46	8.5	WED
246	HUMBOLT	3	8.5	17.0	1	30	5	11	8	8	6	8	8	10	11	0	0	0	75	46	8.5	WED
247	ROCKWELL CITY	3	9.0	17.0	8	9	0	29	20	4	8	10	10	6	7	0	0	0	94	13	8.0	WED
248	ROCKWELL CITY	3	9.0	17.0	8	23	0	20	4	8	8	12	8	7	14	0	0	0	81	13	8.0	WED
249	WEBSTER CITY	4	8.7	17.0	0	3	1	11	9	10	10	13	15	12	4	0	0	0	85	40	8.3	THU
250	WEBSTER CITY	4	8.7	17.0	3	10	7	18	7	7	9	5	4	12	18	0	0	0	87	40	8.3	THU
251	WEBSTER CITY	4	8.7	17.0	2	17	3	9	6	9	7	14	5	11	4	0	0	0	68	40	8.3	THU
252	WEBSTER CITY	4	8.7	17.0	1	24	4	9	14	8	5	8	8	12	10	0	0	0	78	40	8.3	THU
253	FORT DODGE	5	9.2	17.0	12	4	0	15	13	16	5	15	9	15	7	0	0	0	95	94	7.8	FRI
254	FORT DODGE	5	9.2	17.0	4	11	0	14	11	6	7	10	10	13	17	0	0	0	88	94	7.8	FRI
255	FORT DODGE	5	9.2	17.0	16	18	0	6	10	15	5	16	6	6	14	0	0	0	78	94	7.8	FRI
256	FORT DODGE	5	9.2	17.0	8	25	0	6	11	7	9	15	5	5	20	0	0	0	80	94	7.8	FRI
257	FORT DODGE	6	8.0	15.5	0	5	1	11	14	7	12	7	5	4	0	0	0	0	61	94	7.5	SAT
258	FORT DODGE	6	8.0	15.5	3	12	8	5	20	15	8	6	17	0	0	0	0	0	79	94	7.5	SAT
259	FORT DODGE	6	8.0	15.5	2	19	10	8	16	13	8	4	12	6	0	0	0	0	77	94	7.5	SAT
260	FORT DODGE	6	8.0	15.5	2	26	10	13	8	17	9	11	15	2	0	0	0	0	85	94	7.5	SAT

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APRIL SURVEY DATA

DL\_NO=13

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
261	MASON CITY	2	10.5	19.0	4	1	0	0	10	11	8	15	11	8	8	5	1	0	77	17	8.5	TUE
262	MASON CITY	2	10.5	19.0	23	8	0	0	15	18	11	11	8	13	8	3	1	0	88	17	8.5	TUE
263	MASON CITY	2	10.5	19.0	12	15	0	0	8	6	11	16	10	13	9	16	1	0	90	17	8.5	TUE
264	MASON CITY	2	10.5	19.0	12	22	0	0	10	7	7	8	8	7	10	8	3	0	68	17	8.5	TUE
265	MASON CITY	2	10.5	19.0	9	29	0	0	15	11	8	10	5	10	13	6	1	0	79	17	8.5	TUE
266	OSAGE	3	9.0	17.0	5	2	0	0	9	7	4	8	11	8	10	4	0	0	61	66	8.0	WED
267	OSAGE	3	9.0	17.0	0	9	0	16	7	7	2	13	5	11	1	0	0	0	62	66	8.0	WED
268	OSAGE	3	9.0	17.0	8	16	0	19	4	4	9	15	11	3	8	0	0	0	73	66	8.0	WED
269	OSAGE	3	9.0	17.0	0	23	0	15	10	6	5	6	5	7	4	0	0	0	58	66	8.0	WED
270	OSAGE	3	9.0	17.0	3	30	0	9	3	1	2	11	9	4	6	0	0	0	45	66	8.0	WED
271	CLEAR LAKE	4	9.5	17.0	4	3	0	9	22	10	1	9	9	8	6	0	0	0	74	17	7.5	THU
272	CLEAR LAKE	4	9.5	17.0	8	17	0	9	11	6	1	4	9	15	7	0	0	0	62	17	7.5	THU
273	NORTH WOOD	4	10.0	17.0	9	10	0	0	18	7	1	4	10	11	1	0	0	0	52	98	7.0	THU
274	NORTH WOOD	4	10.0	17.0	0	24	0	0	19	10	3	9	8	4	1	0	0	0	54	98	7.0	THU
275	MASON CITY	5	8.2	17.0	1	4	13	17	21	16	16	19	14	14	6	0	0	0	136	17	8.8	FRI
276	MASON CITY	5	8.2	17.0	4	11	8	11	18	13	14	15	19	15	10	0	0	0	123	17	8.8	FRI
277	MASON CITY	5	8.2	17.0	2	18	4	13	17	14	16	10	11	12	12	0	0	0	109	17	8.8	FRI
278	MASON CITY	5	8.2	17.0	5	25	10	10	14	15	16	15	15	12	17	0	0	0	124	17	8.8	FRI
279	MASON CITY	6	8.0	15.5	0	5	0	10	19	16	5	16	8	0	0	0	0	0	74	17	7.5	SAT
280	MASON CITY	6	8.0	15.5	2	12	4	16	18	22	7	13	7	1	0	0	0	0	88	17	7.5	SAT
281	MASON CITY	6	8.0	15.5	3	19	12	16	11	17	13	14	7	0	0	0	0	0	90	17	7.5	SAT
282	MASON CITY	6	8.0	15.5	2	26	10	24	26	11	5	18	3	4	0	0	0	0	101	17	7.5	SAT

DL\_NO=14

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
283	IOWA FALLS	2	10.5	19.0	16	1	0	0	8	5	4	3	8	9	10	6	6	0	59	42	8.5	TUE
284	IOWA FALLS	2	10.5	19.0	8	8	0	0	12	8	7	9	7	7	4	3	3	0	60	42	8.5	TUE
285	IOWA FALLS	2	10.5	19.0	19	15	0	0	13	20	9	12	9	8	2	10	4	0	87	42	8.5	TUE
286	IOWA FALLS	2	10.5	19.0	6	22	0	0	7	0	5	5	4	6	4	11	6	0	48	42	8.5	TUE
287	IOWA FALLS	2	10.5	19.0	6	29	0	0	9	5	7	10	5	7	11	12	6	0	72	42	8.5	TUE
288	ALLISON	3	10.0	15.8	16	2	0	0	21	6	5	5	15	1	0	0	0	0	53	12	5.8	WED
289	ALLISON	3	10.0	15.8	8	9	0	0	10	4	4	6	9	0	0	0	0	0	33	12	5.8	WED
290	ALLISON	3	10.0	15.8	11	16	0	0	15	6	2	8	9	5	0	0	0	0	45	12	5.8	WED
291	ALLISON	3	10.0	15.8	17	23	0	0	25	4	4	4	6	2	0	0	0	0	45	12	5.8	WED
292	ALLISON	3	10.0	15.8	7	30	0	0	16	1	7	7	2	1	0	0	0	0	34	12	5.8	WED
293	ACKLEY	4	9.1	17.0	1	3	0	5	9	2	5	7	3	7	1	0	0	0	39	42	7.9	THU
294	ELDORA	4	10.4	17.0	16	10	0	0	12	5	6	11	10	6	4	0	0	0	54	42	6.6	THU
295	ELDORA	4	10.4	17.0	16	17	0	0	14	7	6	5	8	10	0	0	0	0	50	42	6.6	THU
296	ELDORA	4	10.4	17.0	11	24	0	0	9	3	4	3	5	10	4	0	0	0	38	42	6.6	THU
297	BELMOND	5	8.6	17.0	0	11	3	7	4	13	4	6	6	15	8	0	0	0	66	99	8.4	FRI
298	EAGLE GROVE	5	9.4	17.0	7	25	0	17	11	13	7	11	10	15	4	0	0	0	88	99	7.6	FRI
299	HAMPTON	6	8.0	15.5	3	5	17	21	15	19	4	5	15	0	0	0	0	0	96	35	7.5	SAT
300	HAMPTON	6	8.0	15.5	2	12	10	24	10	10	3	9	11	0	0	0	0	0	77	35	7.5	SAT
301	HAMPTON	6	8.0	15.5	3	19	8	14	14	8	2	7	11	2	0	0	0	0	66	35	7.5	SAT
302	HAMPTON	6	8.0	15.5	3	26	13	18	12	8	2	8	13	1	0	0	0	0	75	35	7.5	SAT



APRIL SURVEY DATA

DL\_NO=15

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
303	DECORAH	2	10.5	19.0	10	1	0	0	14	11	7	18	5	9	12	19	2	0	97	96	8.5	TUE
304	DECORAH	2	10.5	19.0	10	8	0	0	19	10	12	9	12	4	5	5	2	0	78	96	8.5	TUE
305	DECORAH	2	10.5	19.0	9	15	0	0	10	11	7	8	12	9	17	10	6	0	90	96	8.5	TUE
306	DECORAH	2	10.5	19.0	11	22	0	0	18	13	7	4	9	10	7	7	2	0	77	96	8.5	TUE
307	DECORAH	2	10.5	19.0	15	29	0	0	21	9	7	12	2	12	6	20	2	0	91	96	8.5	TUE
308	LANSING	3	11.2	17.0	6	2	0	0	0	14	2	7	8	11	6	0	0	0	48	3	5.8	WED
309	LANSING	3	11.2	17.0	7	30	0	0	0	12	4	8	6	5	1	0	0	0	36	3	5.8	WED
310	MONONA	3	10.2	17.0	6	9	0	0	11	6	7	5	5	4	2	0	0	0	40	22	6.8	WED
311	MONONA	3	10.2	17.0	3	23	0	0	8	7	5	4	4	7	1	0	0	0	36	22	6.8	WED
312	POSTVILLE	3	9.8	17.0	15	16	0	6	12	9	2	12	14	5	3	0	0	0	63	3	7.2	WED
313	STRAWBERRY PT	4	10.0	17.0	7	3	0	0	11	8	5	10	5	3	1	0	0	0	43	22	7.0	THU
314	WAUKON	4	10.2	17.0	12	10	0	0	29	15	10	7	6	11	3	0	0	0	81	3	6.8	THU
315	WAUKON	4	10.2	17.0	18	17	0	0	21	8	5	4	15	8	12	0	0	0	73	3	6.8	THU
316	WAUKON	4	10.2	17.0	12	24	0	0	22	8	5	4	5	13	8	0	0	0	65	3	6.8	THU
317	MCGREGOR	5	10.7	17.0	5	4	0	0	0	10	4	5	5	11	1	0	0	0	36	22	6.3	FRI
318	ELKADER	5	9.7	17.0	10	11	0	14	17	5	3	8	8	5	5	0	0	0	65	22	7.3	FRI
319	ELKADER	5	9.7	17.0	8	18	0	14	12	7	4	4	5	12	3	0	0	0	61	22	7.3	FRI
320	ELKADER	5	9.7	17.0	9	25	0	8	9	6	2	7	3	7	2	0	0	0	44	22	7.3	FRI
321	WEST UNION	6	8.0	15.5	0	5	2	22	15	6	4	5	14	2	0	0	0	0	70	33	7.5	SAT
322	WEST UNION	6	8.0	15.5	1	12	5	17	13	11	4	8	14	0	0	0	0	0	72	33	7.5	SAT
323	WEST UNION	6	8.0	15.5	0	19	4	17	12	4	4	2	5	0	0	0	0	0	48	33	7.5	SAT
324	WEST UNION	6	8.0	15.5	3	26	3	4	6	12	7	3	8	0	0	0	0	0	43	33	7.5	SAT

DL\_NO=16

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
325	CEDAR FALLS	2	10.5	19.0	12	1	0	0	8	20	10	6	7	8	6	4	2	0	71	7	8.5	TUE
326	CEDAR FALLS	2	10.5	19.0	7	8	0	0	4	20	9	8	5	3	8	10	7	0	74	7	8.5	TUE
327	CEDAR FALLS	2	10.5	19.0	11	15	0	0	11	9	6	12	11	13	14	17	1	0	94	7	8.5	TUE
328	CEDAR FALLS	2	10.5	19.0	16	22	0	0	6	13	9	4	9	11	7	6	3	0	68	7	8.5	TUE
329	CEDAR FALLS	2	10.5	19.0	6	29	0	0	6	20	10	7	6	6	13	4	3	0	75	7	8.5	TUE
330	GRUNDY CENTER	3	9.5	17.0	12	2	0	8	12	5	5	12	7	2	2	0	0	0	53	38	7.5	WED
331	GRUNDY CENTER	3	9.5	17.0	7	9	0	9	4	9	6	7	9	5	6	0	0	0	55	38	7.5	WED
332	GRUNDY CENTER	3	9.5	17.0	9	16	0	11	14	10	1	7	6	2	3	0	0	0	54	38	7.5	WED
333	GRUNDY CENTER	3	9.5	17.0	0	23	0	7	13	10	1	5	5	4	2	0	0	0	47	38	7.5	WED
334	GRUNDY CENTER	3	9.5	17.0	8	30	0	6	6	6	2	5	4	5	6	0	0	0	40	38	7.5	WED
335	OELWEIN	4	8.7	17.0	5	3	6	8	9	5	7	9	9	9	3	0	0	0	65	33	8.3	THU
336	OELWEIN	4	8.7	17.0	3	10	1	10	8	7	8	10	8	4	8	0	0	0	64	33	8.3	THU
337	OELWEIN	4	8.7	17.0	1	17	4	12	5	19	3	8	10	12	10	0	0	0	83	33	8.3	THU
338	OELWEIN	4	8.7	17.0	8	24	3	10	7	5	8	13	3	9	7	0	0	0	65	33	8.3	THU
339	PARKERSBURG	5	10.8	17.0	15	4	0	0	2	5	2	6	2	8	0	0	0	0	25	12	6.2	FRI
340	PARKERSBURG	5	10.8	17.0	12	11	0	0	0	12	2	2	0	1	2	0	0	0	19	12	6.2	FRI
341	PARKERSBURG	5	10.8	17.0	7	18	0	0	0	8	1	3	5	3	3	0	0	0	23	12	6.2	FRI
342	PARKERSBURG	5	10.8	17.0	4	25	0	0	3	7	2	0	3	4	4	0	0	0	23	12	6.2	FRI
343	CEDAR FALLS	6	8.0	15.5	0	5	4	10	17	15	6	9	5	2	0	0	0	0	68	7	7.5	SAT
344	CEDAR FALLS	6	8.0	15.5	4	12	6	7	21	12	7	11	5	0	0	0	0	0	69	7	7.5	SAT
345	CEDAR FALLS	6	8.0	15.5	4	19	8	8	10	19	1	7	2	3	0	0	0	0	58	7	7.5	SAT
346	CEDAR FALLS	6	8.0	15.5	2	26	4	12	8	15	9	2	4	2	0	0	0	0	56	7	7.5	SAT

APRIL SURVEY DATA

DL\_NO=17

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
347	WATERLOO	2	10.5	19.0	30	1	0	0	21	35	20	28	32	21	20	15	12	0	204	7	8.5	TUE
348	WATERLOO	2	10.5	19.0	0	8	0	0	24	32	22	26	18	13	8	8	5	0	156	7	8.5	TUE
349	WATERLOO	2	10.5	19.0	37	15	0	0	17	41	26	21	19	20	18	21	7	0	190	7	8.5	TUE
350	WATERLOO	2	10.5	19.0	28	22	0	0	18	44	19	14	19	19	14	11	2	0	160	7	8.5	TUE
351	WATERLOO	2	10.5	19.0	21	29	0	0	21	28	22	23	20	24	27	31	7	0	203	7	8.5	TUE
352	WATERLOO	3	8.5	17.5	8	2	10	16	19	18	13	25	23	17	14	0	0	0	155	7	9.0	WED
353	WATERLOO	3	8.5	17.5	2	9	8	13	15	12	18	13	15	11	9	1	0	0	115	7	9.0	WED
354	WATERLOO	3	8.5	17.5	7	16	4	13	23	16	10	13	14	18	16	1	0	0	128	7	9.0	WED
355	WATERLOO	3	8.5	17.5	4	23	2	15	16	19	10	15	15	14	18	3	0	0	127	7	9.0	WED
356	WATERLOO	3	8.5	17.5	0	30	4	14	19	22	20	29	19	12	10	1	0	0	150	7	9.0	WED
357	WATERLOO	4	8.5	17.5	2	10	6	13	17	18	14	15	18	19	3	0	0	0	123	7	9.0	THU
358	WATERLOO	4	8.5	17.5	4	17	7	15	12	16	12	18	17	13	10	1	0	0	121	7	9.0	THU
359	WATERLOO	4	8.5	17.5	5	24	2	9	22	17	10	15	8	15	21	1	0	0	120	7	9.0	THU
360	WATERLOO	5	8.5	17.5	3	11	3	12	17	23	13	22	20	17	15	9	0	0	151	7	9.0	FRI
361	WATERLOO	5	8.5	17.5	4	25	5	12	16	14	11	16	9	14	14	2	0	0	113	7	9.0	FRI
362	WATERLOO	6	8.0	15.5	2	5	4	16	15	6	9	12	5	1	0	0	0	0	68	7	7.5	SAT
363	WATERLOO	6	8.0	15.5	2	12	4	10	24	5	5	7	1	0	0	0	0	0	56	7	7.5	SAT
364	WATERLOO	6	8.0	15.5	0	19	3	13	14	10	5	10	1	0	0	0	0	0	56	7	7.5	SAT
365	WATERLOO	6	8.0	15.5	0	26	5	17	12	5	6	10	3	2	0	0	0	0	60	7	7.5	SAT

DL\_NO=18

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
366	DUBUQUE	2	10.5	19.0	14	1	0	0	12	14	15	17	15	14	22	12	6	0	127	31	8.5	TUE
367	DUBUQUE	2	10.5	19.0	19	8	0	0	14	26	23	28	7	12	14	4	4	0	132	31	8.5	TUE
368	DUBUQUE	2	10.5	19.0	16	15	0	0	18	18	19	14	18	9	14	14	2	0	126	31	8.5	TUE
369	DUBUQUE	2	10.5	19.0	26	22	0	0	10	25	14	13	6	11	19	11	3	0	112	31	8.5	TUE
370	DUBUQUE	2	10.5	19.0	2	29	0	0	9	19	6	13	16	20	28	18	6	0	135	31	8.5	TUE
371	DUBUQUE	3	8.5	17.5	5	2	9	5	10	12	8	15	10	12	23	0	0	0	104	31	9.0	WED
372	DUBUQUE	3	8.5	17.5	1	9	3	11	10	12	15	10	12	13	9	0	0	0	95	31	9.0	WED
373	DUBUQUE	3	8.5	17.5	0	16	4	13	14	6	11	17	12	10	19	0	0	0	106	31	9.0	WED
374	DUBUQUE	3	8.5	17.5	2	23	7	6	11	9	8	10	9	13	16	6	0	0	95	31	9.0	WED
375	DUBUQUE	3	8.5	17.5	1	30	3	7	10	10	4	10	9	10	25	0	0	0	88	31	9.0	WED
376	DUBUQUE	4	8.5	17.5	0	3	2	10	7	8	10	8	9	11	6	0	0	0	71	31	9.0	THU
377	DUBUQUE	4	8.5	17.5	0	10	0	7	13	7	10	9	11	10	12	6	0	0	85	31	9.0	THU
378	DUBUQUE	4	8.5	17.5	0	17	2	3	10	6	5	2	13	8	11	6	0	0	66	31	9.0	THU
379	DUBUQUE	4	8.5	17.5	3	24	6	13	10	13	7	5	8	18	19	1	0	0	100	31	9.0	THU
380	DUBUQUE	5	8.5	17.5	0	4	3	13	15	11	23	8	13	15	9	2	0	0	112	31	9.0	FRI
381	DUBUQUE	5	8.5	17.5	1	11	0	7	10	13	10	7	9	12	15	0	0	0	83	31	9.0	FRI
382	DUBUQUE	5	8.5	17.5	4	18	2	4	5	10	10	5	5	7	18	3	0	0	69	31	9.0	FRI
383	DUBUQUE	5	8.5	17.5	0	25	4	9	12	9	3	12	14	16	22	3	0	0	104	31	9.0	FRI
384	DUBUQUE	6	8.0	15.5	4	5	3	6	7	11	6	11	10	2	0	0	0	0	56	31	7.5	SAT
385	DUBUQUE	6	8.0	15.5	0	12	7	5	8	8	3	14	14	0	0	0	0	0	59	31	7.5	SAT
386	DUBUQUE	6	8.0	15.5	2	19	4	7	14	10	11	12	10	1	0	0	0	0	69	31	7.5	SAT
387	DUBUQUE	6	8.0	15.5	4	26	6	12	10	14	15	4	10	9	0	0	0	0	80	31	7.5	SAT

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APRIL SURVEY DATA

DL\_NO=19

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
388	NEWTON	2	10.5	19.0	14	1	0	0	12	15	4	9	8	7	12	2	3	0	72	50	8.5	TUE
389	NEWTON	2	10.5	19.0	11	8	0	0	9	18	6	7	10	11	13	12	9	0	95	50	8.5	TUE
390	NEWTON	2	10.5	19.0	13	15	0	0	12	19	16	15	18	4	9	9	2	0	104	50	8.5	TUE
391	NEWTON	2	10.5	19.0	23	22	0	0	11	18	10	8	3	18	11	5	3	0	87	50	8.5	TUE
392	NEWTON	2	10.5	19.0	24	29	0	0	20	20	25	10	15	10	5	3	1	0	109	50	8.5	TUE
393	NEWTON	3	10.7	17.0	6	2	0	0	12	8	14	11	12	10	10	0	0	0	77	50	6.3	WED
394	NEWTON	3	10.7	17.0	3	9	0	0	7	5	5	8	9	8	10	0	0	0	52	50	6.3	WED
395	NEWTON	3	10.7	17.0	18	16	0	0	10	16	16	14	18	6	8	0	0	0	88	50	6.3	WED
396	NEWTON	3	10.7	17.0	7	23	0	0	9	9	2	12	11	9	16	0	0	0	68	50	6.3	WED
397	NEWTON	3	10.7	17.0	6	30	0	0	6	8	8	8	5	14	17	0	0	0	66	50	6.3	WED
398	MARSHALLTOWN	4	8.2	17.0	1	3	3	10	8	12	12	13	17	17	10	0	0	0	102	64	8.8	THU
399	MARSHALLTOWN	4	8.2	17.0	3	10	5	7	12	17	21	14	21	19	14	0	0	0	130	64	8.8	THU
400	MARSHALLTOWN	4	8.2	17.0	3	17	8	18	12	10	13	15	10	9	9	0	0	0	104	64	8.8	THU
401	MARSHALLTOWN	4	8.2	17.0	2	24	5	12	15	5	8	5	12	11	10	0	0	0	83	64	8.8	THU
402	MARSHALLTOWN	5	8.2	17.0	3	4	6	5	15	11	11	11	22	19	6	0	0	0	106	64	8.8	FRI
403	MARSHALLTOWN	5	8.2	17.0	0	11	4	5	4	4	5	10	9	7	15	0	0	0	63	64	8.8	FRI
404	MARSHALLTOWN	5	8.2	17.0	0	18	0	7	16	9	7	7	8	16	5	0	0	0	75	64	8.8	FRI
405	MARSHALLTOWN	5	8.2	17.0	1	25	4	2	12	10	8	5	8	8	11	0	0	0	68	64	8.8	FRI
406	MARSHALLTOWN	6	8.0	15.5	4	5	10	2	12	12	10	10	13	7	0	0	0	0	76	64	7.5	SAT
407	MARSHALLTOWN	6	8.0	15.5	0	12	4	6	13	9	10	10	24	2	0	0	0	0	78	64	7.5	SAT
408	MARSHALLTOWN	6	8.0	15.5	0	19	2	8	15	13	11	3	13	5	0	0	0	0	70	64	7.5	SAT
409	MARSHALLTOWN	6	8.0	15.5	0	26	2	4	11	9	7	7	13	5	0	0	0	0	58	64	7.5	SAT

DL\_NO=20

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
410	VINTON	2	10.5	19.0	15	1	0	0	19	13	7	7	10	8	8	9	5	0	86	6	8.5	TUE
411	VINTON	2	10.5	19.0	15	8	0	0	13	8	3	10	11	10	7	6	1	0	69	6	8.5	TUE
412	VINTON	2	10.5	19.0	24	15	0	0	14	14	2	10	8	8	6	9	3	0	74	6	8.5	TUE
413	VINTON	2	10.5	19.0	15	22	0	0	14	5	6	10	7	5	9	7	5	0	68	6	8.5	TUE
414	VINTON	2	10.5	19.0	17	29	0	0	13	4	2	5	9	10	11	15	3	0	72	6	8.5	TUE
415	WASHINGTON	3	9.8	17.0	10	2	0	8	25	13	14	14	10	14	6	0	0	0	104	92	7.2	WED
416	WASHINGTON	3	9.8	17.0	4	9	0	4	18	13	13	11	8	8	1	0	0	0	76	92	7.2	WED
417	WASHINGTON	3	9.8	17.0	14	16	0	9	14	11	8	12	19	15	9	0	0	0	97	92	7.2	WED
418	WASHINGTON	3	9.8	17.0	6	23	0	5	18	13	8	13	11	11	9	0	0	0	88	92	7.2	WED
419	WASHINGTON	3	9.8	17.0	7	30	0	3	16	7	12	13	11	11	5	0	0	0	78	92	7.2	WED
420	TOLEDO	4	10.0	17.0	11	3	0	0	18	5	4	9	7	11	1	0	0	0	55	86	7.0	THU
421	TOLEDO	4	10.0	17.0	5	10	0	0	20	14	10	9	7	10	4	0	0	0	74	86	7.0	THU
422	TOLEDO	4	10.0	17.0	14	17	0	0	19	5	4	6	6	11	3	0	0	0	54	86	7.0	THU
423	TOLEDO	4	10.0	17.0	18	24	0	0	18	7	8	11	12	15	7	0	0	0	78	86	7.0	THU
424	BELLE PLAINE	5	12.0	17.0	1	4	0	0	0	0	3	7	2	6	0	0	0	0	18	6	5.0	FRI
425	BELLE PLAINE	5	12.0	17.0	5	11	0	0	0	0	14	13	8	8	5	0	0	0	48	6	5.0	FRI
426	BELLE PLAINE	5	12.0	17.0	4	18	0	0	0	0	14	5	4	5	5	0	0	0	33	6	5.0	FRI
427	BELLE PLAINE	5	12.0	17.0	8	25	0	0	0	0	11	8	5	8	3	0	0	0	35	6	5.0	FRI
428	MARENGO	6	8.0	15.5	0	5	9	12	17	9	1	7	5	0	0	0	0	0	60	48	7.5	SAT
429	MARENGO	6	8.0	15.5	0	12	12	18	20	10	8	5	4	2	0	0	0	0	79	48	7.5	SAT
430	MARENGO	6	8.0	15.5	2	19	15	11	12	14	7	9	3	0	0	0	0	0	71	48	7.5	SAT
431	MARENGO	6	8.0	15.5	9	26	23	21	21	7	6	6	4	0	0	0	0	0	88	48	7.5	SAT

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APRIL SURVEY DATA

DL\_N0=21

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
432	CEDAR RAPIDS	2	10.5	19.0	5	1	0	0	8	10	5	9	11	6	5	12	2	0	68	57	8.5	TUE
433	CEDAR RAPIDS	2	10.5	19.0	7	8	0	0	5	11	8	9	9	5	10	8	2	0	67	57	8.5	TUE
434	CEDAR RAPIDS	2	10.5	19.0	5	15	0	0	5	11	9	8	11	9	6	6	1	0	66	57	8.5	TUE
435	CEDAR RAPIDS	2	10.5	19.0	9	22	0	0	9	12	5	6	9	5	13	7	1	0	67	57	8.5	TUE
436	CEDAR RAPIDS	2	10.5	19.0	3	29	0	0	2	4	9	13	7	9	10	7	7	0	68	57	8.5	TUE
437	CEDAR RAPIDS	3	8.5	17.5	1	2	0	4	7	5	7	7	8	13	10	0	0	0	61	57	9.0	WED
438	CEDAR RAPIDS	3	8.5	17.5	1	9	1	2	3	9	5	4	7	4	5	3	0	0	43	57	9.0	WED
439	CEDAR RAPIDS	3	8.5	17.5	3	16	3	8	5	4	6	8	14	10	12	2	0	0	72	57	9.0	WED
440	CEDAR RAPIDS	3	8.5	17.5	3	23	4	3	6	4	2	4	6	10	8	4	0	0	51	57	9.0	WED
441	CEDAR RAPIDS	3	8.5	17.5	0	30	3	6	4	6	6	6	5	7	8	2	0	0	53	57	9.0	WED
442	CEDAR RAPIDS	4	8.5	17.5	1	3	1	6	4	10	3	8	8	11	9	1	0	0	61	57	9.0	THU
443	CEDAR RAPIDS	4	8.5	17.5	.	10	2	2	3	9	3	9	8	0	2	0	0	0	38	57	9.0	THU
444	CEDAR RAPIDS	4	8.5	17.5	.	17	1	1	6	5	4	5	2	10	6	4	0	0	44	57	9.0	THU
445	CEDAR RAPIDS	4	8.5	17.5	1	24	2	7	5	6	1	10	2	6	13	5	0	0	57	57	9.0	THU
446	CEDAR RAPIDS	5	8.5	17.5	0	4	0	6	6	11	7	14	14	5	4	2	0	0	69	57	9.0	FRI
447	CEDAR RAPIDS	5	8.5	17.5	1	11	2	1	7	8	3	11	5	9	7	0	0	0	53	57	9.0	FRI
448	CEDAR RAPIDS	5	8.5	17.5	1	18	0	4	5	6	8	4	4	11	8	0	0	0	50	57	9.0	FRI
449	CEDAR RAPIDS	5	8.5	17.5	1	25	1	7	10	2	7	6	7	7	9	3	0	0	59	57	9.0	FRI
450	CEDAR RAPIDS	6	8.0	15.5	1	5	5	7	10	8	5	3	7	1	0	0	0	0	46	57	7.5	SAT
451	CEDAR RAPIDS	6	8.0	15.5	0	12	2	3	11	11	2	7	7	0	0	0	0	0	43	57	7.5	SAT
452	CEDAR RAPIDS	6	8.0	15.5	3	19	5	6	7	13	8	4	9	1	0	0	0	0	53	57	7.5	SAT
453	CEDAR RAPIDS	6	8.0	15.5	2	26	4	10	11	13	5	7	7	0	0	0	0	0	57	57	7.5	SAT

DL\_N0=22

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
454	CLINTON	2	10.5	19.0	20	1	0	0	12	11	20	9	8	13	15	10	5	0	103	23	8.5	TUE
455	CLINTON	2	10.5	19.0	16	8	0	0	11	24	13	16	7	10	10	13	5	0	109	23	8.5	TUE
456	CLINTON	2	10.5	19.0	9	15	0	0	11	11	5	4	8	7	8	5	1	0	60	23	8.5	TUE
457	CLINTON	2	10.5	19.0	16	22	0	0	9	21	6	11	6	10	6	4	3	0	76	23	8.5	TUE
458	CLINTON	2	10.5	19.0	3	29	0	0	6	9	6	8	12	6	10	8	4	0	69	23	8.5	TUE
459	BELLEVOUE	3	9.7	17.0	6	2	0	4	12	7	3	5	15	4	4	0	0	0	54	49	7.3	WED
460	DEWITT	3	8.9	17.0	6	9	1	19	8	6	9	7	3	4	3	0	0	0	60	23	8.1	WED
461	DEWITT	3	8.9	17.0	2	16	0	6	14	5	2	5	7	8	2	0	0	0	49	23	8.1	WED
462	DEWITT	3	8.9	17.0	4	23	1	15	13	3	3	3	4	10	5	0	0	0	57	23	8.1	WED
463	DEWITT	3	8.9	17.0	0	30	1	10	12	4	4	3	5	7	6	0	0	0	52	23	8.1	WED
464	MAQUOKETA	4	9.0	17.0	7	3	0	16	19	7	2	7	14	10	5	0	0	0	80	49	8.0	THU
465	MAQUOKETA	4	9.0	17.0	17	10	0	23	18	19	5	12	13	11	9	0	0	0	110	49	8.0	THU
466	MAQUOKETA	4	9.0	17.0	10	17	0	22	16	10	7	10	6	13	5	0	0	0	89	49	8.0	THU
467	MAQUOKETA	4	9.0	17.0	9	24	0	15	13	7	6	12	5	6	13	0	0	0	77	49	8.0	THU
468	CLINTON	5	10.0	17.0	12	4	0	0	15	14	10	6	9	7	16	0	0	0	77	23	7.0	FRI
469	CLINTON	5	10.0	17.0	12	11	0	0	24	15	7	6	7	6	3	0	0	0	68	23	7.0	FRI
470	CLINTON	5	10.0	17.0	6	18	0	0	16	13	10	10	7	12	9	0	0	0	77	23	7.0	FRI
471	CLINTON	5	10.0	17.0	8	25	0	0	11	15	4	10	10	6	12	0	0	0	68	23	7.0	FRI
472	CLINTON	6	8.0	15.5	0	5	4	10	7	5	4	5	12	0	0	0	0	0	47	23	7.5	SAT
473	CLINTON	6	8.0	15.5	0	12	4	7	11	7	10	5	5	0	0	0	0	0	49	23	7.5	SAT
474	CLINTON	6	8.0	15.5	4	19	9	9	10	9	3	3	10	1	0	0	0	0	54	23	7.5	SAT
475	CLINTON	6	8.0	15.5	5	26	15	10	13	6	3	2	1	0	0	0	0	0	50	23	7.5	SAT

APRIL SURVEY DATA

DL\_N0=23

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
476	BETTENDORF	2	10.5	19.0	14	1	0	0	17	14	10	11	13	12	12	9	1	0	99	82	8.5	TUE
477	BETTENDORF	2	10.5	19.0	4	8	0	0	13	12	11	9	10	9	10	9	0	0	83	82	8.5	TUE
478	BETTENDORF	2	10.5	19.0	9	15	0	0	11	10	11	10	9	7	10	6	0	0	74	82	8.5	TUE
479	BETTENDORF	2	10.5	19.0	0	22	0	0	12	10	10	12	10	13	13	8	3	0	91	82	8.5	TUE
480	BETTENDORF	2	10.5	19.0	12	29	0	0	13	6	16	17	14	17	15	9	0	0	107	82	8.5	TUE
481	BETTENDORF	3	8.5	17.5	2	2	2	6	10	8	6	6	9	12	6	0	0	0	65	82	9.0	WED
482	BETTENDORF	3	8.5	17.5	0	9	3	4	13	7	9	10	6	5	4	0	0	0	61	82	9.0	WED
483	BETTENDORF	3	8.5	17.5	0	16	0	5	9	10	6	5	2	5	4	1	0	0	47	82	9.0	WED
484	BETTENDORF	3	8.5	17.5	0	23	0	3	14	5	10	5	5	6	2	0	0	0	50	82	9.0	WED
485	BETTENDORF	3	8.5	17.5	2	30	6	5	7	10	6	6	10	13	8	0	0	0	71	82	9.0	WED
486	BETTENDORF	4	8.5	17.5	1	3	1	12	14	9	13	12	9	11	6	0	0	0	87	82	9.0	THU
487	BETTENDORF	4	8.5	17.5	0	10	3	10	8	7	11	10	8	6	5	0	0	0	68	82	9.0	THU
488	BETTENDORF	4	8.5	17.5	0	17	2	4	10	4	11	5	4	16	4	1	0	0	61	82	9.0	THU
489	BETTENDORF	4	8.5	17.5	0	24	2	7	5	6	9	3	5	3	9	1	0	0	50	82	9.0	THU
490	BETTENDORF	5	8.5	17.5	2	4	5	8	12	14	7	9	12	7	4	1	0	0	79	82	9.0	FRI
491	BETTENDORF	5	8.5	17.5	0	18	2	6	10	9	5	7	10	7	5	1	0	0	62	82	9.0	FRI
492	BETTENDORF	5	8.5	17.5	1	25	6	6	5	10	6	8	4	3	2	1	0	0	51	82	9.0	FRI
493	BETTENDORF	6	8.0	15.5	0	5	3	9	7	15	9	6	8	2	0	0	0	0	59	82	7.5	SAT
494	BETTENDORF	6	8.0	15.5	2	12	5	9	10	11	9	4	5	0	0	0	0	0	53	82	7.5	SAT
495	BETTENDORF	6	8.0	15.5	7	19	11	14	13	9	4	4	10	0	0	0	0	0	65	82	7.5	SAT
496	BETTENDORF	6	8.0	15.5	0	26	10	10	17	10	11	5	10	2	0	0	0	0	75	82	7.5	SAT

DL\_N0=24

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
497	IOWA CITY	2	10.5	19.0	0	1	0	0	9	15	11	13	15	12	13	11	8	0	107	52	8.5	TUE
498	IOWA CITY	2	10.5	19.0	0	8	0	0	15	20	13	12	15	13	12	13	5	0	118	52	8.5	TUE
499	IOWA CITY	2	10.5	19.0	0	15	0	0	14	27	14	12	13	9	18	19	11	0	137	52	8.5	TUE
500	IOWA CITY	2	10.5	19.0	12	22	0	0	8	16	7	7	12	12	14	12	8	0	96	52	8.5	TUE
501	IOWA CITY	2	10.5	19.0	17	29	0	0	13	22	7	10	10	14	12	13	5	0	106	52	8.5	TUE
502	IOWA CITY	3	8.5	17.5	0	2	5	1	7	4	10	8	15	17	13	0	0	0	80	52	9.0	WED
503	IOWA CITY	3	8.5	17.5	0	9	0	5	6	8	6	6	12	9	3	0	0	0	55	52	9.0	WED
504	IOWA CITY	3	8.5	17.5	2	16	6	10	3	7	3	12	8	13	9	3	0	0	74	52	9.0	WED
505	IOWA CITY	3	8.5	17.5	5	23	5	9	9	9	4	8	10	10	11	1	0	0	76	52	9.0	WED
506	IOWA CITY	3	8.5	17.5	7	30	6	6	8	8	1	11	7	11	15	2	0	0	75	52	9.0	WED
507	IOWA CITY	4	8.5	17.5	0	3	7	9	5	11	3	8	16	13	6	0	0	0	78	52	9.0	THU
508	IOWA CITY	4	8.5	17.5	0	10	3	11	8	11	16	14	11	19	18	2	0	0	113	52	9.0	THU
509	IOWA CITY	4	8.5	17.5	2	17	3	12	11	10	6	6	9	16	4	2	0	0	79	52	9.0	THU
510	IOWA CITY	4	8.5	17.5	1	24	3	6	10	7	8	12	7	12	10	2	0	0	77	52	9.0	THU
511	IOWA CITY	5	8.5	17.5	0	4	5	10	8	10	13	12	10	12	20	2	0	0	102	52	9.0	FRI
512	IOWA CITY	5	8.5	17.5	0	11	6	7	12	8	6	4	2	7	3	3	0	0	58	52	9.0	FRI
513	IOWA CITY	5	8.5	17.5	4	18	4	5	11	8	5	15	8	14	10	0	0	0	80	52	9.0	FRI
514	IOWA CITY	5	8.5	17.5	1	25	3	5	4	7	10	14	5	9	16	0	0	0	73	52	9.0	FRI
515	IOWA CITY	6	8.0	15.5	0	5	4	8	11	9	8	11	7	8	0	0	0	0	66	52	7.5	SAT
516	IOWA CITY	6	8.0	15.5	1	12	3	10	14	12	8	11	10	6	0	0	0	0	74	52	7.5	SAT
517	IOWA CITY	6	8.0	15.5	0	19	9	6	12	5	5	2	15	2	0	0	0	0	57	52	7.5	SAT
518	IOWA CITY	6	8.0	15.5	0	26	4	7	13	12	17	6	12	1	0	0	0	0	72	52	7.5	SAT



APRIL SURVEY DATA

DL\_NO=25

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
519	BURLINGTON	2	10.5	19.0	26	1	0	0	15	15	10	15	14	12	19	12	10	0	122	29	8.5	TUE
520	BURLINGTON	2	10.5	19.0	4	8	0	0	10	21	10	11	10	12	17	21	11	0	123	29	8.5	TUE
521	BURLINGTON	2	10.5	19.0	20	15	0	0	10	22	8	15	10	11	14	15	5	0	110	29	8.5	TUE
522	BURLINGTON	2	10.5	19.0	6	22	0	0	11	16	10	8	6	12	16	13	15	0	107	29	8.5	TUE
523	BURLINGTON	2	10.5	19.0	13	29	0	0	15	14	11	8	6	6	17	12	6	0	95	29	8.5	TUE
524	BURLINGTON	3	10.3	17.0	4	2	0	0	13	14	8	13	6	9	5	0	0	0	68	29	6.7	WED
525	BURLINGTON	3	10.3	17.0	6	9	0	0	10	8	6	5	10	11	6	0	0	0	56	29	6.7	WED
526	BURLINGTON	3	10.3	17.0	12	16	0	0	17	8	8	5	11	10	12	0	0	0	71	29	6.7	WED
527	BURLINGTON	3	10.3	17.0	6	23	0	0	12	13	4	7	13	13	7	0	0	0	69	29	6.7	WED
528	BURLINGTON	3	10.3	17.0	10	30	0	0	12	14	10	14	3	8	6	0	0	0	67	29	6.7	WED
529	BURLINGTON	4	10.3	17.0	15	3	0	0	15	12	13	10	14	16	15	0	0	0	95	29	6.7	THU
530	BURLINGTON	4	10.3	17.0	3	10	0	0	10	10	9	6	12	16	17	0	0	0	80	29	6.7	THU
531	BURLINGTON	4	10.3	17.0	4	17	0	0	6	7	6	8	10	15	17	0	0	0	69	29	6.7	THU
532	BURLINGTON	4	10.3	17.0	9	24	0	0	11	13	6	10	16	10	12	0	0	0	78	29	6.7	THU
533	KEOKUK	5	9.7	17.0	2	4	0	5	3	10	4	5	10	8	4	0	0	0	49	56	7.3	FRI
534	KEOKUK	5	9.7	17.0	19	11	0	9	25	10	10	8	16	11	9	0	0	0	98	56	7.3	FRI
535	KEOKUK	5	9.7	17.0	17	18	0	8	18	12	7	11	7	16	15	0	0	0	94	56	7.3	FRI
536	KEOKUK	5	9.7	17.0	14	25	0	5	15	9	8	14	9	13	17	0	0	0	90	56	7.3	FRI
537	FORT MADISON	6	8.0	15.5	10	5	18	22	22	18	14	20	6	1	0	0	0	0	121	56	7.5	SAT
538	FORT MADISON	6	8.0	15.5	8	12	24	25	37	21	11	14	5	1	0	0	0	0	138	56	7.5	SAT
539	FORT MADISON	6	8.0	15.5	21	19	34	31	32	11	3	8	8	2	0	0	0	0	129	56	7.5	SAT
540	FORT MADISON	6	8.0	15.5	11	26	27	27	31	19	5	16	9	2	0	0	0	0	136	56	7.5	SAT

DL\_NO=26

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
541	OTTUMWA	2	10.5	19.0	17	1	0	0	12	14	4	10	8	14	2	7	1	0	72	90	8.5	TUE
542	OTTUMWA	2	10.5	19.0	16	8	0	0	17	19	15	14	15	10	6	4	1	0	101	90	8.5	TUE
543	OTTUMWA	2	10.5	19.0	12	15	0	0	17	13	11	9	11	9	12	3	0	0	85	90	8.5	TUE
544	OTTUMWA	2	10.5	19.0	17	22	0	0	14	15	11	5	8	11	4	4	4	0	76	90	8.5	TUE
545	OTTUMWA	2	10.5	19.0	10	29	0	0	11	13	5	10	10	15	11	7	1	0	83	90	8.5	TUE
546	OTTUMWA	3	8.2	17.0	5	2	6	8	7	6	4	6	6	12	5	0	0	0	60	90	8.8	WED
547	OTTUMWA	3	8.2	17.0	0	9	3	6	9	8	6	7	9	6	6	0	0	0	60	90	8.8	WED
548	OTTUMWA	3	8.2	17.0	1	16	7	5	6	6	6	10	8	6	1	0	0	0	55	90	8.8	WED
549	OTTUMWA	3	8.2	17.0	0	23	0	9	7	4	4	8	16	10	7	0	0	0	65	90	8.8	WED
550	OTTUMWA	3	8.2	17.0	0	30	6	5	7	3	6	6	9	8	7	0	0	0	57	90	8.8	WED
551	FAIRFIELD	4	9.0	17.0	16	3	0	20	15	10	6	12	25	12	2	0	0	0	102	51	8.0	THU
552	FAIRFIELD	4	9.0	17.0	5	10	0	17	13	10	4	10	15	11	5	0	0	0	85	51	8.0	THU
553	FAIRFIELD	4	9.0	17.0	7	17	0	20	11	16	7	13	12	16	3	0	0	0	98	51	8.0	THU
554	FAIRFIELD	4	9.0	17.0	7	24	0	18	10	5	4	9	15	18	6	0	0	0	85	51	8.0	THU
555	KEOSAUQUA	5	9.3	15.8	15	4	0	22	14	5	0	13	11	0	0	0	0	0	65	89	6.5	FRI
556	KEOSAUQUA	5	9.3	15.8	10	18	0	15	10	4	4	7	8	2	0	0	0	0	50	89	6.5	FRI
557	BLOOMFIELD	5	9.7	17.0	6	11	0	5	13	4	3	11	9	6	2	0	0	0	53	26	7.3	FRI
558	BLOOMFIELD	5	9.7	17.0	18	25	0	17	7	2	5	4	10	10	4	0	0	0	59	26	7.3	FRI
559	OTTUMWA	6	8.0	15.5	8	5	14	22	16	8	8	10	6	0	0	0	0	0	84	90	7.5	SAT
560	OTTUMWA	6	8.0	15.5	6	19	21	28	12	13	5	20	11	0	0	0	0	0	110	90	7.5	SAT
561	OTTUMWA	6	8.0	15.5	8	26	17	28	13	16	11	10	11	2	0	0	0	0	108	90	7.5	SAT



APRIL SURVEY DATA

DL\_NO=27

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
562	INDIANOLA	2	10.5	19.0	16	1	0	0	18	11	8	7	8	7	8	17	4	0	88	91	8.5	TUE
563	INDIANOLA	2	10.5	19.0	29	8	0	0	17	22	8	6	17	13	13	15	5	0	116	91	8.5	TUE
564	INDIANOLA	2	10.5	19.0	16	15	0	0	18	16	9	10	3	12	15	7	3	0	93	91	8.5	TUE
565	INDIANOLA	2	10.5	19.0	23	22	0	0	18	5	5	6	8	15	23	6	8	0	94	91	8.5	TUE
566	INDIANOLA	2	10.5	19.0	15	29	0	0	14	10	5	10	12	14	25	8	6	0	104	91	8.5	TUE
567	KNOXVILLE	3	10.0	17.0	8	2	0	0	18	10	2	15	16	9	12	0	0	0	82	63	7.0	WED
568	KNOXVILLE	3	10.0	17.0	11	9	0	0	18	10	6	7	12	11	3	0	0	0	67	63	7.0	WED
569	KNOXVILLE	3	10.0	17.0	17	16	0	0	18	12	6	9	12	6	6	0	0	0	69	63	7.0	WED
570	KNOXVILLE	3	10.0	17.0	16	23	0	0	20	12	10	10	12	16	4	0	0	0	84	63	7.0	WED
571	KNOXVILLE	3	10.0	17.0	15	30	0	0	20	9	2	8	11	11	10	0	0	0	71	63	7.0	WED
572	CENTERVILLE	4	10.0	17.0	21	3	0	0	26	23	8	14	14	25	5	0	0	0	115	4	7.0	THU
573	CENTERVILLE	4	10.0	17.0	21	10	0	0	30	12	4	12	9	18	12	0	0	0	97	4	7.0	THU
574	CENTERVILLE	4	10.0	17.0	9	17	0	0	24	7	5	11	13	19	9	0	0	0	88	4	7.0	THU
575	CENTERVILLE	4	10.0	17.0	21	24	0	0	24	9	9	9	7	15	5	0	0	0	78	4	7.0	THU
576	ALBIA	5	11.4	17.0	35	4	0	0	0	19	33	21	13	9	10	0	0	0	105	68	5.6	FRI
577	ALBIA	5	11.4	17.0	19	18	0	0	0	20	20	14	7	13	4	0	0	0	78	68	5.6	FRI
578	CORYDON	5	10.9	17.0	19	11	0	0	0	17	4	10	4	6	2	0	0	0	43	93	6.1	FRI
579	CORYDON	5	10.9	17.0	19	25	0	0	0	21	7	3	10	11	1	0	0	0	53	93	6.1	FRI
580	CHARITON	6	8.0	15.5	2	5	7	12	14	3	3	1	10	3	0	0	0	0	53	59	7.5	SAT
581	CHARITON	6	8.0	15.5	1	12	2	9	5	9	4	4	7	5	0	0	0	0	45	59	7.5	SAT
582	CHARITON	6	8.0	15.5	0	19	8	15	20	1	1	6	6	2	0	0	0	0	59	59	7.5	SAT
583	CHARITON	6	8.0	15.5	2	26	4	7	10	6	0	9	6	5	0	0	0	0	47	59	7.5	SAT

DL\_NO=28

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
584	MARION	2	10.5	19.0	13	1	0	0	11	9	13	10	7	10	19	12	5	0	96	57	8.5	TUE
585	MARION	2	10.5	19.0	17	8	0	0	15	29	20	14	7	20	15	12	5	0	137	57	8.5	TUE
586	MARION	2	10.5	19.0	10	15	0	0	15	8	18	11	9	14	16	12	7	0	110	57	8.5	TUE
587	MARION	2	10.5	19.0	16	22	0	0	14	10	6	16	5	11	16	11	3	0	92	57	8.5	TUE
588	MARION	2	10.5	19.0	11	29	0	0	6	17	21	14	10	7	24	28	8	0	135	57	8.5	TUE
589	MARION	3	8.5	17.5	4	2	6	4	10	8	11	8	17	4	14	2	0	0	84	57	9.0	WED
590	MARION	3	8.5	17.5	2	9	2	6	10	8	3	12	10	19	8	2	0	0	80	57	9.0	WED
591	MARION	3	8.5	17.5	2	16	3	11	10	12	9	7	18	19	10	0	0	0	99	57	9.0	WED
592	MARION	3	8.5	17.5	1	23	3	7	11	10	12	4	9	11	18	2	0	0	87	57	9.0	WED
593	MARION	3	8.5	17.5	3	30	3	5	7	12	6	14	6	14	15	0	0	0	82	57	9.0	WED
594	MARION	4	8.5	17.5	6	3	4	5	17	9	7	7	16	14	20	2	0	0	101	57	9.0	THU
595	MARION	4	8.5	17.5	0	10	1	10	9	8	5	12	12	7	14	0	0	0	78	57	9.0	THU
596	MARION	4	8.5	17.5	2	17	2	12	16	14	5	6	6	11	12	1	0	0	85	57	9.0	THU
597	MARION	4	8.5	17.5	0	24	2	8	10	6	6	5	7	19	24	4	0	0	91	57	9.0	THU
598	MARION	5	8.5	17.5	1	4	4	8	33	15	14	13	22	11	11	0	0	0	131	57	9.0	FRI
599	MARION	5	8.5	17.5	7	11	5	8	21	7	9	10	8	12	19	1	0	0	100	57	9.0	FRI
600	MARION	5	8.5	17.5	4	18	7	10	14	5	7	10	4	11	17	5	0	0	90	57	9.0	FRI
601	MARION	5	8.5	17.5	2	25	1	5	13	11	7	7	16	11	12	0	0	0	83	57	9.0	FRI
602	MARION	6	8.0	15.5	.	5	1	13	16	12	1	3	7	2	0	0	0	0	55	57	7.5	SAT
603	MARION	6	8.0	15.5	1	12	3	10	29	16	14	12	10	0	0	0	0	0	94	57	7.5	SAT
604	MARION	6	8.0	15.5	2	19	4	12	20	19	10	7	15	0	0	0	0	0	87	57	7.5	SAT
605	MARION	6	8.0	15.5	1	26	8	10	26	21	10	10	16	0	0	0	0	0	101	57	7.5	SAT

LAX

APRIL SURVEY DATA

DL\_NO=29

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
606	DES MOINES	2	10.5	19.0	18	1	0	0	12	24	15	16	10	10	17	13	0	0	117	77	8.5	TUE
607	DES MOINES	2	10.5	19.0	25	8	0	0	15	26	21	12	12	13	11	17	4	0	131	77	8.5	TUE
608	DES MOINES	2	10.5	19.0	16	15	0	0	7	28	11	15	12	19	13	15	14	0	134	77	8.5	TUE
609	DES MOINES	2	10.5	19.0	15	22	0	0	5	20	18	12	10	13	17	9	10	0	114	77	8.5	TUE
610	DES MOINES	2	10.5	19.0	16	29	0	0	12	23	10	22	11	14	12	8	8	0	120	77	8.5	TUE
611	DES MOINES	3	8.5	17.5	3	2	6	15	16	16	13	14	9	14	15	5	0	0	123	77	9.0	WED
612	DES MOINES	3	8.5	17.5	0	9	5	7	10	13	8	10	7	13	19	0	0	0	92	77	9.0	WED
613	DES MOINES	3	8.5	17.5	1	16	3	6	13	11	13	13	13	8	14	3	0	0	97	77	9.0	WED
614	DES MOINES	3	8.5	17.5	9	23	4	12	20	14	10	8	13	14	13	6	0	0	114	77	9.0	WED
615	DES MOINES	3	8.5	17.5	3	30	4	4	11	11	12	10	13	15	9	8	0	0	97	77	9.0	WED
616	DES MOINES	4	8.5	17.5	2	10	2	7	15	18	12	11	6	16	14	2	0	0	103	77	9.0	THU
617	DES MOINES	4	8.5	17.5	5	17	4	10	9	10	15	3	17	10	12	0	0	0	90	77	9.0	THU
618	DES MOINES	4	8.5	17.5	5	24	1	5	11	5	9	5	8	13	11	4	0	0	72	77	9.0	THU
619	DES MOINES	5	8.5	17.5	4	4	3	12	16	20	20	13	11	16	16	4	0	0	131	77	9.0	FRI
620	DES MOINES	5	8.5	17.5	4	11	5	7	18	7	7	8	6	3	12	3	0	0	76	77	9.0	FRI
621	DES MOINES	5	8.5	17.5	8	18	4	13	13	10	5	11	9	17	9	15	0	0	106	77	9.0	FRI
622	DES MOINES	5	8.5	17.5	0	25	0	1	13	11	15	15	9	11	3	4	0	0	82	77	9.0	FRI
623	DES MOINES	6	8.0	15.5	3	5	6	8	14	13	7	7	9	10	0	0	0	0	74	77	7.5	SAT
624	DES MOINES	6	8.0	15.5	4	12	7	9	15	11	13	15	16	4	0	0	0	0	90	77	7.5	SAT
625	DES MOINES	6	8.0	15.5	4	19	9	22	12	17	10	3	15	2	0	0	0	0	90	77	7.5	SAT
626	DES MOINES	6	8.0	15.5	4	26	5	11	14	12	14	18	17	0	0	0	0	0	91	77	7.5	SAT

DL\_NO=30

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
627	DAVENPORT	2	10.5	19.0	0	1	0	0	16	23	17	16	13	20	14	22	11	0	152	82	8.5	TUE
628	DAVENPORT	2	10.5	19.0	20	8	0	0	12	23	26	16	17	17	16	16	5	0	148	82	8.5	TUE
629	DAVENPORT	2	10.5	19.0	21	15	0	0	19	17	16	11	12	17	26	13	6	0	137	82	8.5	TUE
630	DAVENPORT	2	10.5	19.0	30	22	0	0	18	25	11	10	18	22	24	32	11	0	171	82	8.5	TUE
631	DAVENPORT	2	10.5	19.0	34	29	0	0	15	18	21	18	22	24	28	24	26	0	196	82	8.5	TUE
632	DAVENPORT	3	8.5	17.5	2	2	1	10	15	15	16	18	19	21	9	0	0	0	124	82	9.0	WED
633	DAVENPORT	3	8.5	17.5	2	9	1	7	7	13	6	12	9	7	9	2	0	0	73	82	9.0	WED
634	DAVENPORT	3	8.5	17.5	2	16	4	12	15	11	6	11	15	10	15	4	0	0	103	82	9.0	WED
635	DAVENPORT	3	8.5	17.5	0	23	5	8	7	10	13	13	13	20	14	0	0	0	103	82	9.0	WED
636	DAVENPORT	3	8.5	17.5	3	30	2	13	12	11	13	7	9	28	34	8	0	0	137	82	9.0	WED
637	DAVENPORT	4	8.5	17.5	5	3	5	7	23	26	13	14	10	10	4	1	0	0	113	82	9.0	THU
638	DAVENPORT	4	8.5	17.5	0	10	2	15	14	8	15	6	11	11	18	2	0	0	102	82	9.0	THU
639	DAVENPORT	4	8.5	17.5	4	17	2	7	11	9	6	7	12	12	19	0	0	0	85	82	9.0	THU
640	DAVENPORT	4	8.5	17.5	4	24	4	10	11	15	3	5	18	15	16	4	0	0	101	82	9.0	THU
641	DAVENPORT	5	8.5	17.5	.	4	5	7	13	23	16	11	16	11	5	3	0	0	110	82	9.0	FRI
642	DAVENPORT	5	8.5	17.5	.	11	1	10	14	13	12	13	13	14	10	0	0	0	100	82	9.0	FRI
643	DAVENPORT	5	8.5	17.5	.	18	0	8	15	13	5	16	17	9	16	2	0	0	101	82	9.0	FRI
644	DAVENPORT	5	8.5	17.5	.	25	3	4	6	12	5	25	13	13	22	0	0	0	103	82	9.0	FRI
645	DAVENPORT	6	8.0	15.5	.	5	6	4	25	10	15	9	8	3	0	0	0	0	80	82	7.5	SAT
646	DAVENPORT	6	8.0	15.5	.	12	4	13	25	22	11	24	17	2	0	0	0	0	118	82	7.5	SAT
647	DAVENPORT	6	8.0	15.5	.	19	8	19	23	18	22	11	14	0	0	0	0	0	115	82	7.5	SAT
648	DAVENPORT	6	8.0	15.5	.	26	9	17	25	19	22	19	9	1	0	0	0	0	121	82	7.5	SAT



APRIL SURVEY DATA

DL\_N0=31

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
649	MUSCATINE	2	10.5	19.0	15	1	0	0	16	13	15	5	9	8	9	11	7	0	93	70	8.5	TUE
650	MUSCATINE	2	10.5	19.0	16	8	0	0	16	14	8	10	8	10	12	5	9	0	92	70	8.5	TUE
651	MUSCATINE	2	10.5	19.0	16	15	0	0	13	18	11	11	7	12	12	11	10	0	105	70	8.5	TUE
652	MUSCATINE	2	10.5	19.0	20	22	0	0	14	7	12	9	10	5	8	13	8	0	86	70	8.5	TUE
653	MUSCATINE	2	10.5	19.0	20	29	0	0	10	8	8	9	3	9	11	16	10	0	84	70	8.5	TUE
654	MUSCATINE	3	8.5	17.0	5	2	1	9	16	9	2	10	12	4	7	0	0	0	70	70	8.5	WED
655	MUSCATINE	3	8.5	17.0	0	16	2	1	14	8	4	4	4	8	6	0	0	0	51	70	8.5	WED
656	MUSCATINE	3	8.5	17.0	3	30	3	5	9	7	2	2	6	3	5	0	0	0	42	70	8.5	WED
657	WAPELLO	3	9.9	17.0	8	9	0	2	19	9	2	13	11	2	4	0	0	0	62	58	7.1	WED
658	WAPELLO	3	9.9	17.0	12	23	0	4	26	6	3	5	8	5	3	0	0	0	60	58	7.1	WED
659	MT PLEASANT	4	9.7	17.0	15	3	0	5	24	16	8	20	24	15	1	0	0	0	113	44	7.3	THU
660	MT PLEASANT	4	9.7	17.0	18	10	0	8	26	10	5	12	10	13	8	0	0	0	92	44	7.3	THU
661	MT PLEASANT	4	9.7	17.0	20	17	0	7	21	16	7	11	12	13	5	0	0	0	92	44	7.3	THU
662	MT PLEASANT	4	9.7	17.0	20	24	0	5	19	14	7	13	11	16	4	0	0	0	89	44	7.3	THU
663	TIPTON	5	9.2	16.0	4	4	0	7	17	15	3	9	5	1	0	0	0	0	57	16	6.8	FRI
664	TIPTON	5	9.2	16.0	6	11	0	10	12	2	3	6	14	1	0	0	0	0	48	16	6.8	FRI
665	TIPTON	5	9.2	16.0	12	18	0	15	9	7	8	9	13	1	0	0	0	0	62	16	6.8	FRI
666	TIPTON	5	9.2	16.0	10	25	0	10	9	5	6	10	12	3	0	0	0	0	55	16	6.8	FRI
667	MUSCATINE	6	8.0	15.5	7	5	7	10	24	13	14	12	20	3	0	0	0	0	103	70	7.5	SAT
668	MUSCATINE	6	8.0	15.5	3	12	11	23	24	10	11	17	5	3	0	0	0	0	104	70	7.5	SAT
669	MUSCATINE	6	8.0	15.5	5	26	11	23	26	18	12	17	14	4	0	0	0	0	125	70	7.5	SAT

DL\_N0=32

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
670	SPENCER	2	10.5	19.0	6	1	0	0	11	8	8	10	8	7	10	5	5	0	72	21	8.5	TUE
671	SPENCER	2	10.5	19.0	19	8	0	0	12	17	9	12	8	8	3	3	3	0	75	21	8.5	TUE
672	SPENCER	2	10.5	19.0	9	15	0	0	9	10	9	2	7	6	5	2	0	0	50	21	8.5	TUE
673	SPENCER	2	10.5	19.0	10	22	0	0	10	6	4	6	12	7	6	7	0	0	58	21	8.5	TUE
674	SPENCER	2	10.5	19.0	13	29	0	0	9	14	5	13	9	6	12	9	0	0	77	21	8.5	TUE
675	ESTHERVILLE	3	10.5	17.0	13	2	0	0	13	13	7	6	5	13	14	0	0	0	71	32	6.5	WED
676	ESTHERVILLE	3	10.5	17.0	15	9	0	0	11	12	10	8	13	16	2	0	0	0	72	32	6.5	WED
677	ESTHERVILLE	3	10.5	17.0	12	16	0	0	11	20	10	11	7	20	11	0	0	0	90	32	6.5	WED
678	ESTHERVILLE	3	10.5	17.0	9	23	0	0	10	14	7	14	9	18	15	0	0	0	87	32	6.5	WED
679	ESTHERVILLE	3	10.5	17.0	11	30	0	0	12	9	6	8	6	19	14	0	0	0	74	32	6.5	WED
680	CHEROKEE	4	8.5	17.0	9	3	3	6	20	10	1	3	16	18	7	0	0	0	84	18	8.5	THU
681	CHEROKEE	4	8.5	17.0	7	10	9	15	17	9	7	17	8	13	11	0	0	0	106	18	8.5	THU
682	CHEROKEE	4	8.5	17.0	2	17	4	14	15	10	5	7	15	11	10	0	0	0	91	18	8.5	THU
683	CHEROKEE	4	8.5	17.0	2	24	3	13	14	9	7	9	11	22	16	0	0	0	104	18	8.5	THU
684	SPIRIT LAKE	5	9.8	17.0	12	4	0	1	21	8	1	12	3	10	3	0	0	0	59	30	7.2	FRI
685	SPIRIT LAKE	5	9.8	17.0	17	11	0	3	22	21	11	9	16	10	4	0	0	0	96	30	7.2	FRI
686	SPIRIT LAKE	5	9.8	17.0	15	18	0	4	16	13	9	7	10	13	8	0	0	0	80	30	7.2	FRI
687	SPIRIT LAKE	5	9.8	17.0	9	25	0	5	17	10	9	10	7	13	5	0	0	0	76	30	7.2	FRI
688	SPENCER	6	8.0	15.5	5	5	9	10	18	16	13	12	14	5	0	0	0	0	97	21	7.5	SAT
689	SPENCER	6	8.0	15.5	2	12	9	12	17	10	9	12	16	1	0	0	0	0	86	21	7.5	SAT
690	SPENCER	6	8.0	15.5	2	19	8	14	25	11	10	12	11	4	0	0	0	0	95	21	7.5	SAT
691	SPENCER	6	8.0	15.5	0	26	11	10	16	11	4	6	13	1	0	0	0	0	72	21	7.5	SAT

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APRIL SURVEY DATA

DL\_NO=33

OBS CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
692 DENISON	2	10.5	19.0	8	1	0	0	16	8	4	6	8	12	9	3	6	0	72	24	8.5	TUE
693 DENISON	2	10.5	19.0	2	8	0	0	14	18	9	18	12	16	18	4	1	0	110	24	8.5	TUE
694 DENISON	2	10.5	19.0	5	15	0	0	13	10	3	15	3	17	8	15	9	0	93	24	8.5	TUE
695 DENISON	2	10.5	19.0	6	22	0	0	13	7	3	8	5	8	10	19	10	0	83	24	8.5	TUE
696 DENISON	2	10.5	19.0	4	29	0	0	22	8	6	3	8	7	7	18	11	0	90	24	8.5	TUE
697 ONAWA	3	10.2	17.0	10	2	0	0	12	8	1	10	4	10	1	0	0	0	46	67	6.8	WED
698 ONAWA	3	10.2	17.0	15	9	0	0	18	14	5	17	7	6	2	0	0	0	69	67	6.8	WED
699 ONAWA	3	10.2	17.0	13	16	0	0	16	5	6	8	5	5	2	0	0	0	47	67	6.8	WED
700 ONAWA	3	10.2	17.0	10	23	0	0	14	9	3	10	6	3	4	0	0	0	49	67	6.8	WED
701 ONAWA	3	10.2	17.0	9	30	0	0	11	5	2	8	4	5	3	0	0	0	38	67	6.8	WED
702 LOGAN	4	10.2	17.0	4	3	0	0	10	2	6	7	8	5	5	0	0	0	43	43	6.8	THU
703 LOGAN	4	10.2	17.0	11	10	0	0	19	12	7	6	4	10	1	0	0	0	59	43	6.8	THU
704 LOGAN	4	10.2	17.0	13	17	0	0	17	9	1	6	4	10	3	0	0	0	50	43	6.8	THU
705 LOGAN	4	10.2	17.0	3	24	0	0	4	2	5	6	5	8	5	0	0	0	35	43	6.8	THU
706 OAKLAND	5	11.6	17.0	9	4	0	0	0	15	9	11	7	4	2	0	0	0	48	78	5.4	FRI
707 OAKLAND	5	11.6	17.0	8	18	0	0	0	13	5	5	3	4	5	0	0	0	35	78	5.4	FRI
708 AVOCA	5	11.1	17.0	4	11	0	0	0	9	3	7	6	6	3	0	0	0	34	78	5.9	FRI
709 MISSOURI VALLEY	5	12.1	17.0	2	25	0	0	0	0	8	8	7	6	8	0	0	0	37	43	4.9	FRI
710 HARLAN	6	8.0	15.5	1	5	9	9	18	10	2	6	13	2	0	0	0	0	69	83	7.5	SAT
711 HARLAN	6	8.0	15.5	0	12	7	13	25	3	2	3	12	2	0	0	0	0	67	83	7.5	SAT
712 HARLAN	6	8.0	15.5	1	19	10	21	16	13	4	14	11	4	0	0	0	0	93	83	7.5	SAT
713 HARLAN	6	8.0	15.5	1	26	10	15	16	13	1	6	9	2	0	0	0	0	72	83	7.5	SAT

DL\_NO=34

OBS CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
714 OSKALOOSA	2	10.5	19.0	9	1	0	0	9	10	7	8	4	2	4	5	5	0	54	62	8.5	TUE
715 OSKALOOSA	2	10.5	19.0	6	8	0	0	8	9	6	11	5	2	6	2	0	0	49	62	8.5	TUE
716 OSKALOOSA	2	10.5	19.0	8	15	0	0	9	5	6	6	7	6	6	4	2	0	51	62	8.5	TUE
717 OSKALOOSA	2	10.5	19.0	4	22	0	0	5	5	3	6	0	3	13	7	3	0	45	62	8.5	TUE
718 OSKALOOSA	2	10.5	19.0	2	29	0	0	6	9	5	10	3	10	10	4	1	0	58	62	8.5	TUE
719 GRINNELL	3	9.3	17.0	10	2	0	14	15	17	9	8	8	19	4	0	0	0	94	79	7.7	WED
720 GRINNELL	3	9.3	17.0	6	9	0	18	9	8	8	8	15	15	6	0	0	0	87	79	7.7	WED
721 GRINNELL	3	9.3	17.0	5	16	0	24	11	6	5	3	6	16	6	0	0	0	77	79	7.7	WED
722 GRINNELL	3	9.3	17.0	1	23	0	10	10	7	2	5	7	22	2	0	0	0	65	79	7.7	WED
723 GRINNELL	3	9.3	17.0	6	30	0	10	17	6	4	10	6	13	8	0	0	0	74	79	7.7	WED
724 SIGOURNEY	4	10.5	17.0	22	3	0	0	22	7	1	6	18	9	1	0	0	0	64	54	6.5	THU
725 SIGOURNEY	4	10.5	17.0	8	10	0	0	15	8	3	9	5	5	0	0	0	0	45	54	6.5	THU
726 SIGOURNEY	4	10.5	17.0	8	17	0	0	9	8	1	12	15	9	3	0	0	0	57	54	6.5	THU
727 SIGOURNEY	4	10.5	17.0	21	24	0	0	14	9	4	7	18	6	3	0	0	0	61	54	6.5	THU
728 PELLA	5	8.5	17.0	13	4	20	18	26	8	5	17	13	21	3	0	0	0	130	63	8.5	FRI
729 PELLA	5	8.5	17.0	12	18	13	14	10	9	13	12	6	29	4	0	0	0	110	63	8.5	FRI
730 MONTEZUMA	5	9.0	17.0	0	11	0	10	11	1	3	4	8	4	6	0	0	0	47	79	8.0	FRI
731 MONTEZUMA	5	9.0	17.0	3	25	0	10	6	1	1	5	5	7	1	0	0	0	36	79	8.0	FRI
732 OSKALOOSA	6	8.0	15.5	1	5	3	14	19	3	12	11	9	1	0	0	0	0	72	62	7.5	SAT
733 OSKALOOSA	6	8.0	15.5	0	12	8	18	20	14	11	9	14	2	0	0	0	0	96	62	7.5	SAT
734 OSKALOOSA	6	8.0	15.5	1	10	6	10	11	7	4	8	10	2	0	0	0	0	58	62	7.5	SAT
735 OSKALOOSA	6	8.0	15.5	2	26	8	15	14	10	2	11	14	1	0	0	0	0	75	62	7.5	SAT

APRIL SURVEY DATA

DL\_N0=35

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
736	INDEPENDENCE	2	10.5	19.0	15	1	0	0	8	4	9	7	6	20	9	6	2	0	71	10	8.5	TUE
737	INDEPENDENCE	2	10.5	19.0	17	8	0	0	10	14	2	6	12	7	10	5	7	0	73	10	8.5	TUE
738	INDEPENDENCE	2	10.5	19.0	14	15	0	0	10	10	6	4	3	6	10	8	17	0	74	10	8.5	TUE
739	INDEPENDENCE	2	10.5	19.0	8	22	0	0	10	8	5	6	5	8	9	5	4	0	60	10	8.5	TUE
740	INDEPENDENCE	2	10.5	19.0	12	29	0	0	13	7	7	6	7	8	6	10	5	0	69	10	8.5	TUE
741	CASCADE	3	9.1	17.0	3	2	0	9	5	5	3	2	9	4	4	0	0	0	41	31	7.9	WED
742	DYERSVILLE	3	8.6	17.0	3	9	5	9	6	4	1	6	3	8	2	0	0	0	44	31	8.4	WED
743	DYERSVILLE	3	8.6	17.0	3	23	5	8	4	5	3	1	1	11	8	0	0	0	46	31	8.4	WED
744	DYERSVILLE	3	8.6	17.0	0	30	3	3	2	3	2	7	1	16	2	0	0	0	39	31	8.4	WED
745	GUTTENBERG	3	9.6	17.0	12	16	0	10	10	2	6	2	1	11	6	0	0	0	48	22	7.4	WED
746	ANAMOSSA	4	9.7	17.0	10	3	0	5	9	6	10	8	14	7	3	0	0	0	62	53	7.3	THU
747	ANAMOSSA	4	9.7	17.0	15	17	0	1	19	6	5	8	4	12	17	0	0	0	72	53	7.3	THU
748	MONTICELLO	4	9.2	17.0	7	10	0	11	9	5	7	11	7	13	6	0	0	0	69	53	7.8	THU
749	MONTICELLO	4	9.2	17.0	9	24	0	11	7	9	5	8	5	16	13	0	0	0	74	53	7.8	THU
750	MANCHESTER	5	10.0	17.0	25	4	0	0	14	15	3	2	9	7	0	0	0	0	50	28	7.0	FRI
751	MANCHESTER	5	10.0	17.0	25	11	0	0	18	21	4	8	4	7	3	0	0	0	65	28	7.0	FRI
752	MANCHESTER	5	10.0	17.0	15	18	0	0	25	12	8	8	14	10	4	0	0	0	81	28	7.0	FRI
753	MANCHESTER	5	10.0	17.0	0	25	0	0	22	11	3	10	8	6	5	0	0	0	65	28	7.0	FRI
754	MANCHESTER	6	8.0	15.5	0	5	2	7	6	1	1	1	8	1	0	0	0	0	27	28	7.5	SAT
755	MANCHESTER	6	8.0	15.5	1	12	4	4	6	6	1	4	4	0	0	0	0	0	29	28	7.5	SAT
756	MANCHESTER	6	8.0	15.5	4	19	7	10	13	8	3	3	13	0	0	0	0	0	57	28	7.5	SAT
757	MANCHESTER	6	8.0	15.5	0	26	5	8	8	5	1	0	6	0	0	0	0	0	33	28	7.5	SAT

DL\_N0=36

OBS	CITY	DA	OPEN	CLOSE	WAITING	DATE	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	TOTAL	COUNTY	HOURS	DAY
758	CHARLES CITY	2	10.5	19.0	23	1	0	0	17	21	4	8	9	9	11	10	5	0	94	34	8.5	TUE
759	CHARLES CITY	2	10.5	19.0	9	8	0	0	12	21	7	10	18	8	6	8	2	0	92	34	8.5	TUE
760	CHARLES CITY	2	10.5	19.0	16	15	0	0	21	10	10	19	10	11	17	1	0	0	99	34	8.5	TUE
761	CHARLES CITY	2	10.5	19.0	11	22	0	0	13	10	6	10	8	8	15	10	3	0	83	34	8.5	TUE
762	CHARLES CITY	2	10.5	19.0	17	29	0	0	11	17	1	11	9	4	14	13	5	0	85	34	8.5	TUE
763	WAVERLY	3	8.5	17.0	5	2	3	11	14	15	9	12	6	12	16	0	0	0	98	9	8.5	WED
764	WAVERLY	3	8.5	17.0	3	9	4	12	13	8	7	12	11	13	8	0	0	0	88	9	8.5	WED
765	WAVERLY	3	8.5	17.0	11	16	8	13	15	2	13	8	14	14	5	0	0	0	92	9	8.5	WED
766	WAVERLY	3	8.5	17.0	1	23	5	9	10	5	4	13	13	11	16	0	0	0	86	9	8.5	WED
767	WAVERLY	3	8.5	17.0	0	30	12	17	10	11	9	13	8	10	18	0	0	0	108	9	8.5	WED
768	CRESCO	4	9.5	17.0	0	3	0	6	3	6	2	7	6	1	1	0	0	0	32	45	7.5	THU
769	CRESCO	4	9.5	17.0	2	10	0	13	3	8	3	8	5	3	2	0	0	0	45	45	7.5	THU
770	CRESCO	4	9.5	17.0	2	17	0	5	7	10	4	16	8	5	12	0	0	0	67	45	7.5	THU
771	CRESCO	4	9.5	17.0	4	24	0	4	9	8	1	6	11	17	2	0	0	0	58	45	7.5	THU
772	TRIPOLI	5	11.9	17.0	3	4	0	0	0	0	6	5	4	4	5	0	0	0	24	9	5.1	FRI
773	TRIPOLI	5	11.9	17.0	1	18	0	0	0	1	8	9	4	2	8	0	0	0	32	9	5.1	FRI
774	SUMNER	5	11.9	17.0	8	11	0	0	0	0	19	9	7	8	14	0	0	0	57	9	5.1	FRI
775	SUMNER	5	11.9	17.0	0	25	0	0	0	0	4	4	6	2	4	0	0	0	20	9	5.1	FRI
776	NEW HAMPTON	6	8.0	15.5	.	5	5	9	17	10	1	5	7	1	0	0	0	0	55	19	7.5	SAT
777	NEW HAMPTON	6	8.0	15.5	.	12	7	18	11	8	5	9	3	0	0	0	0	0	61	19	7.5	SAT
778	NEW HAMPTON	6	8.0	15.5	.	19	12	8	12	5	7	1	4	0	0	0	0	0	49	19	7.5	SAT
779	NEW HAMPTON	6	8.0	15.5	.	26	7	9	15	12	6	2	8	0	0	0	0	0	59	19	7.5	SAT



APPENDIX B

JANUARY - OCTOBER 1980 DATA

1. By Location in Ascending Order by  
Average Licenses Issued per Hour           xx - xxii
2. By County in Ascending Order by  
Average Licenses Issued per Hour       xxiii - xxiv
3. By DL Team in Ascending Order by  
Average Licenses Issued per Hour           xxv

## DL DATA JAN-OCT 1980

OBS	DLNO	CITY	MAXLH	MINLH	AVLH	MAXDT	MINDT	AVDT	MAXMT	MINMT	AVMT	MAXWT	MINWT	AVWT	MAXTOT	MINTOT	ATOT
1	16	PARKERSBURG	6.09	3.53	4.78083	32	1	14.9	18	0	5.3	73	16	33.3	166	93	126.5
2	35	CASCADE	8.37	3.17	4.82317	6	0	4.2	4	0	1.4	22	4	12.1	47	26	36.7
3	36	TRIPOLI	7.55	3.11	4.92293	10	1	5.4	7	0	2.3	29	4	13.9	85	33	54.8
4	34	MONTEZUMA	6.93	3.41	4.96002	17	0	7.8	10	0	2.6	40	16	25.9	115	59	82.7
5	15	MONONA	5.86	4.07	5.26494	11	4	8.2	5	0	2.1	39	15	23.1	82	57	73.7
6	15	STRAWBERRY PT	9.17	2.60	5.47744	11	0	4.0	5	0	1.1	25	6	15.3	55	19	37.9
7	22	BELLVUE	8.13	3.33	5.47875	26	1	7.9	8	0	3.0	31	9	18.2	61	25	41.1
8	33	AVOCA	9.52	3.55	5.65735	11	0	4.8	0	0	0.0	18	3	9.2	69	22	39.5
9	33	OAKLAND	8.19	3.10	5.79821	18	2	11.0	1	0	0.2	30	13	21.3	99	36	73.7
10	33	MISSOURI VALLEY	7.69	4.81	5.94286	5	0	2.6	0	0	0.0	22	5	11.6	52	25	34.0
11	35	DYERSVILLE	8.85	3.79	6.03832	30	6	16.8	24	0	8.1	75	16	45.3	180	90	126.1
12	15	LANSING	9.50	3.46	6.08256	12	0	5.0	10	0	2.2	48	8	19.4	86	27	52.8
13	21	CEDAR RAPIDS	7.24	5.07	6.15805	332	125	216.8	205	0	84.1	840	432	609.6	1372	1055	1192.3
14	15	MCGREGOR	9.24	0.00	6.36341	12	0	5.2	9	0	2.4	33	0	16.0	61	0	37.8
15	40	DES MOINES RENEWAL	7.72	5.73	6.47628	0	0	0.0	0	0	0.0	0	0	0.0	1505	1159	1253.4
16	7	AUDUBON	8.14	4.79	6.50404	40	10	21.4	15	0	5.0	88	34	58.4	269	134	198.6
17	13	NORTHWOOD	8.01	5.62	6.57018	24	5	13.3	12	0	3.5	53	9	30.1	143	82	105.5
18	4	OSCEOLA	8.89	5.57	6.65028	55	11	30.2	34	0	11.0	107	43	76.8	313	196	245.8
19	9	SAC CITY	10.14	4.97	6.67127	44	10	25.2	21	0	8.6	72	22	51.5	357	175	250.6
20	7	GUTHRIE CENTER	9.43	5.61	6.72317	36	9	19.8	14	0	4.8	88	30	51.1	264	157	207.1
21	11	SWEA CITY	8.10	5.30	6.73432	47	8	25.1	26	0	9.6	84	25	56.2	238	143	189.0
22	35	MANCHESTER	8.45	5.76	6.76642	87	14	44.1	67	0	22.7	287	88	155.6	572	377	428.7
23	20	BELLE PLAINE	9.01	4.62	6.89255	26	3	13.3	17	0	4.9	99	30	54.4	211	101	156.7
24	14	ALLISON	9.46	5.17	6.89907	41	5	20.3	25	0	7.3	67	18	48.1	223	110	174.5
25	15	ELKADER	9.17	5.07	7.08976	29	3	16.3	23	0	7.3	94	41	58.3	212	146	177.8
26	34	OSKALOOSA	8.46	6.13	7.10045	89	17	56.1	46	0	19.1	217	95	172.4	571	411	497.0
27	33	ONAWA	7.86	6.20	7.13090	46	14	27.1	14	0	4.7	81	43	61.3	275	184	219.6
28	41	CEDAR RAPIDS RENEWAL	7.89	6.01	7.16319	0	0	0.0	0	0	0.0	0	0	0.0	1483	1134	1319.9
29	16	GRUNDY CENTER	9.78	5.42	7.19374	37	6	21.9	22	0	7.2	80	27	56.1	374	169	247.3
30	13	OSAGE	10.81	5.48	7.22690	83	7	37.3	45	0	16.0	143	41	80.6	359	182	257.9
31	36	SUMNER	10.00	5.00	7.26094	14	2	6.7	9	0	2.5	47	6	19.1	140	47	81.4
32	22	DEWITT	9.05	5.89	7.28305	39	14	29.1	18	0	8.7	123	41	67.0	292	171	207.3
33	14	ACKLEY	9.51	4.76	7.30824	10	0	6.2	6	0	2.0	27	4	16.4	87	39	64.3
34	33	LOGAN	9.39	5.36	7.36393	62	12	31.6	35	0	10.8	127	51	89.8	299	150	226.8
35	1	AMES RENEWALS	7.99	6.36	7.40365	20	0	2.0	20	0	2.0	378	220	296.2	1002	745	877.4
36	35	GUTTENBURG	9.87	5.84	7.42575	13	0	4.5	10	0	2.3	24	9	15.9	76	45	57.2
37	11	EMMETSBURG	9.25	4.77	7.48847	49	11	28.4	20	0	10.4	124	25	86.3	407	168	283.4
38	34	SIGOURNEY	9.26	6.50	7.55467	48	9	26.2	22	0	9.6	93	30	63.7	297	179	225.8
39	35	ANAMOSA	10.00	5.47	7.70501	38	4	15.8	22	0	8.8	57	22	38.3	179	89	127.1
40	31	WAPELLO	8.99	6.18	7.72012	20	7	11.1	9	0	3.0	56	20	32.6	142	97	121.9
41	36	CRESCO	9.59	6.19	7.75639	48	11	24.7	22	0	8.8	112	41	72.4	374	193	264.3
42	14	IOWA FALLS	9.46	5.99	7.76522	49	8	28.3	28	0	13.7	150	55	100.0	394	211	293.9
43	27	CHARITON	8.85	5.87	7.76779	36	6	22.6	25	0	10.2	104	32	81.4	276	183	248.4
44	1	NEVADA	10.39	5.84	7.84313	56	13	30.0	30	0	9.5	80	26	48.5	290	172	222.3
45	20	TOLEDO	9.51	6.82	7.89296	39	10	22.1	19	0	7.7	106	44	78.0	347	203	253.5
46	14	ELDORA	10.00	5.93	7.99452	35	5	16.8	25	0	8.0	105	37	63.3	272	121	186.2
47	31	TIPTON	10.76	5.97	7.99672	65	10	32.6	43	0	14.1	123	38	79.0	367	217	251.9
48	23	BETTENDORF	9.10	6.37	8.01110	249	74	162.6	96	0	41.6	834	377	595.4	1729	1133	1484.7
49	5	CORNING	10.43	5.79	8.02813	19	3	10.0	11	0	3.5	41	12	27.8	164	73	115.0
50	7	JEFFERSON	10.99	5.97	8.22412	55	9	32.3	13	0	6.7	108	53	78.6	390	210	311.2
51	26	KEOSAUQUA	11.33	5.99	8.23863	20	6	12.7	10	0	4.3	55	19	36.6	182	65	128.9
52	35	MONTECELLO	9.19	6.88	8.26618	33	7	18.9	23	0	9.8	61	22	44.4	219	118	146.1
53	14	CLARION	12.82	6.31	8.30083	23	4	13.3	14	0	5.0	68	21	39.2	253	109	162.3
54	5	SHENANDOAH	10.13	6.15	8.32052	58	19	30.4	25	0	7.6	134	60	90.3	395	232	285.6
55	20	VINTON	10.17	6.08	8.36850	61	11	43.7	28	0	14.0	161	60	105.8	393	214	314.9
56	11	GARNER	12.50	6.09	8.44443	22	6	11.5	14	0	4.9	61	14	35.4	186	80	113.5



## DL DATA JAN-OCT 1980

OBS	DLNO	CITY	MAXLH	MINLH	AVLH	MAXDT	MINDT	AVDT	MAXMT	MINMT	AVMT	MAXWT	MINWT	AVWT	MAXTOT	MINTOT	ATOT
57	13	CLEAR LAKE	9.94	5.90	8.4573	20	6	11.2	10	0	2.6	72	14	36.4	209	92	145.1
58	11	FORREST CITY	11.90	5.99	8.5591	48	4	26.4	29	0	10.6	158	67	100.2	395	206	315.8
59	12	ROCKWELL CITY	10.29	7.82	8.5923	48	4	13.7	30	0	5.6	161	16	46.7	220	133	160.7
60	10	ROCK RAPIDS	11.54	6.32	8.6902	69	12	30.5	49	0	14.8	108	57	79.6	427	211	283.0
61	10	PRIMGHAR	10.95	5.17	8.6922	23	5	11.8	16	0	4.4	30	7	18.6	179	60	110.9
62	1	ADEL	11.13	6.94	8.7406	26	2	15.9	14	0	5.3	59	29	39.9	208	111	153.2
63	5	SIDNEY	10.45	6.36	8.7530	18	9	13.6	7	0	2.9	62	18	34.9	207	84	127.9
64	14	HAMPTON	10.06	7.28	8.7747	58	7	26.0	39	0	9.9	124	63	83.6	314	224	273.8
65	34	GRINNELL	10.38	6.67	8.8321	59	12	31.9	37	0	13.8	163	60	113.0	393	245	303.1
66	4	BEDFORD	11.35	6.98	8.8386	23	6	12.3	11	0	4.1	52	10	32.0	189	88	122.5
67	4	WINTERSET	10.96	6.74	8.8637	66	13	32.3	30	0	10.6	104	39	69.0	337	208	264.9
68	16	CEDAR FALLS	10.17	7.15	8.8824	157	34	79.7	107	0	35.8	255	108	189.6	710	475	624.1
69	9	STORM LAKE	9.85	7.62	8.9608	131	31	83.4	89	0	40.1	272	101	175.0	721	545	610.3
70	9	IDA GROVE	11.96	6.29	9.0084	56	19	34.7	29	0	11.4	139	39	76.9	340	176	277.5
71	15	WEST UNION	12.92	5.64	9.0166	55	18	32.5	43	0	13.6	135	68	102.4	403	176	281.4
72	35	INDEPENDENCE	11.68	5.97	9.0433	56	13	34.7	40	0	15.1	177	47	109.3	438	210	342.2
73	15	POSTVILLE	11.58	5.78	9.0611	14	1	6.1	4	0	1.8	40	9	18.7	176	37	66.6
74	9	POCAHONTAS	10.57	7.34	9.0672	42	16	29.9	21	0	9.3	100	41	65.5	354	214	279.3
75	32	SPENCER	10.35	7.99	9.1085	99	40	69.3	65	0	25.9	249	120	172.9	689	558	637.0
76	20	MARENGO	11.47	8.17	9.1328	55	10	33.4	30	0	14.2	157	64	94.4	381	254	290.6
77	31	MOUNT PLEASANT	10.54	7.04	9.1796	77	15	37.1	41	0	15.5	199	61	115.8	491	276	368.8
78	36	NEW HAMPTON	11.47	7.18	9.2951	51	15	31.1	37	0	14.3	124	59	91.0	358	224	297.3
79	4	MT AYR	12.79	7.28	9.3184	29	4	13.3	12	0	3.3	49	8	26.9	201	99	139.4
80	16	OELWEIN	12.16	7.50	9.4379	76	5	33.0	55	0	16.1	231	68	119.6	523	258	356.2
81	33	HARLAN	11.79	8.33	9.4866	68	20	40.8	41	0	15.2	170	61	110.6	347	260	296.0
82	34	PELLA	12.84	6.99	9.4973	51	6	23.5	26	0	10.0	96	36	58.7	283	113	192.2
83	7	CARROLL	11.17	7.58	9.5400	91	24	62.7	51	0	23.8	297	51	184.6	818	269	614.1
84	11	BRITT	12.69	7.46	9.5987	33	4	14.7	20	0	5.9	87	15	45.2	200	100	141.0
85	26	BLOOMFIELD	17.12	7.74	9.6145	45	5	16.5	23	0	5.6	141	18	51.2	277	59	147.2
86	26	OTTUMWA	11.06	8.09	9.6180	204	56	133.1	125	0	55.5	540	211	411.4	1195	814	1018.5
87	12	WEBSTER CITY	12.16	8.14	9.6501	48	12	30.2	30	0	11.5	161	56	92.7	454	230	352.6
88	15	WAUKON	14.54	5.77	9.7429	49	4	23.2	34	0	11.2	138	36	82.8	413	137	236.2
89	19	MARSHALLTOWN	11.46	7.81	9.7676	152	37	89.9	93	0	40.0	485	212	326.0	1189	853	1044.8
90	33	DENISON	12.31	8.35	9.8054	66	22	45.0	31	0	13.5	192	101	147.7	466	294	371.7
91	14	BELMONT	12.76	7.36	9.8522	12	1	6.1	10	0	2.2	38	14	24.0	111	64	85.7
92	13	MASON CITY	11.93	8.42	9.9015	172	56	120.5	103	0	41.9	491	220	372.5	1186	964	1063.5
93	4	GREENFIELD	20.51	6.28	9.9627	28	5	14.2	18	0	3.8	59	14	33.2	275	109	163.2
94	22	CLINTON	12.12	8.09	9.9948	152	55	109.8	101	0	47.2	440	228	322.7	1159	832	998.0
95	32	ESTHERVILLE	12.28	7.94	10.0671	85	14	36.6	57	0	16.0	183	51	89.1	394	223	301.2
96	10	SHELDON	12.44	7.82	10.0980	56	20	40.0	42	0	18.7	142	70	102.0	388	244	322.9
97	22	MAQUOKETA	11.95	7.17	10.0981	59	16	39.2	36	0	13.7	237	42	122.3	496	238	360.4
98	29	DES MOINES #29	11.12	8.53	10.1449	326	142	229.5	126	0	61.0	1289	717	1009.2	2181	1526	1873.3
99	32	CHEROKEE	12.41	7.78	10.2607	65	24	42.7	38	0	16.6	143	52	95.7	496	274	397.3
100	6	COUNCIL BLUFFS	12.13	8.75	10.3383	262	104	184.2	112	0	52.8	1089	495	817.8	2279	1635	1950.0
101	1	AMES	11.55	8.76	10.4052	169	46	115.5	105	0	49.7	324	159	237.2	835	579	719.0
102	32	SPIRIT LAKE	12.57	7.92	10.4334	45	9	28.9	26	0	10.0	122	51	85.7	436	277	331.5
103	19	NEWTON	12.31	9.02	10.5037	106	34	58.7	64	1	27.0	329	141	221.8	815	534	693.0
104	5	RED OAK	13.37	8.88	10.5554	50	13	32.4	32	0	13.0	155	69	101.4	417	233	329.3
105	27	CORYDON	18.73	7.14	10.5554	20	4	10.3	7	0	2.2	61	10	33.9	241	85	133.0
106	36	WAVERLY	12.38	8.18	10.7284	82	16	41.2	59	0	19.1	172	52	118.8	541	337	415.1
107	18	DUBUQUE	12.61	8.39	10.7368	275	79	158.9	196	0	80.7	935	354	672.7	2413	1696	2052.8
108	26	FAIRFIELD	13.20	8.25	10.7514	76	14	36.9	44	0	17.5	217	82	144.0	528	267	361.2
109	27	INDIANOLA	14.74	9.00	10.9274	65	23	42.5	40	0	19.0	203	87	148.5	519	322	413.5
110	28	MARION	12.90	9.57	11.0047	277	59	207.1	172	3	96.8	1051	564	811.1	2444	1733	2036.2
111	31	MUSCATINE	13.53	9.48	11.0508	161	44	110.0	95	0	43.4	459	228	379.9	1130	728	932.5
112	1	PERRY	13.41	5.94	11.0728	37	15	23.3	17	0	6.9	71	31	52.4	276	101	197.9



## DL DATA JAN-OCT 1980

OBS	DLNO	CITY	MAXLH	MINLH	AVLH	MAXDT	MINDT	AVDT	MAXMT	MINMT	AVMT	MAXWT	MINWT	AVWT	MAXTOT	MINTOT	ATOT
113	15	DECORAH	14.60	7.73	11.1369	86	5	38.6	54	0	17.0	221	84	146.2	563	272	407.4
114	2	DES MOINES #2	13.58	9.63	11.1632	267	110	200.9	110	0	53.8	1381	687	963.8	2669	1714	2080.3
115	10	SIBLEY	15.26	7.59	11.2547	42	5	15.5	28	0	8.8	74	15	37.8	242	90	143.6
116	27	CENTERVILLE	13.42	9.10	11.3569	64	7	34.5	38	0	15.7	171	78	126.7	490	269	364.8
117	27	KNOXVILLE	13.05	9.64	11.4594	61	15	35.2	36	0	12.5	178	78	130.5	474	303	368.1
118	36	CHARLES CITY	15.97	8.75	11.5961	69	8	39.0	47	0	19.2	193	57	122.1	562	308	437.1
119	25	BURLINGTON	13.69	9.86	11.7760	148	29	92.5	83	1	40.8	486	231	376.1	1426	935	1142.1
120	4	CRESTON	14.87	9.01	11.8639	64	15	38.6	40	0	16.5	136	81	113.5	464	281	391.7
121	30	DAVENPORT	14.22	9.25	11.8892	307	137	218.0	133	0	61.0	1694	701	1094.7	2829	1749	2292.9
122	24	IOWA CITY	13.80	10.36	11.9906	317	100	228.6	142	0	74.5	881	485	699.5	2317	1737	2050.2
123	12	FORT DODGE	14.74	10.03	12.0037	214	48	109.0	64	0	35.4	540	284	394.3	1445	1053	1222.5
124	1	BOONE	14.85	9.30	12.0896	87	11	42.8	46	0	14.1	182	58	112.6	591	330	463.2
125	4	LEON	15.87	9.21	12.1070	28	6	18.8	14	0	7.0	59	27	45.6	240	116	167.8
126	25	KEOKUK	15.03	8.73	12.2324	52	19	34.9	25	0	12.0	223	82	142.9	505	262	393.9
127	5	ATLANTIC	16.68	9.69	12.2879	67	15	46.4	37	0	19.2	184	65	129.4	608	275	436.3
128	5	GLENWOOD	16.69	9.07	12.3926	21	9	14.7	11	0	4.9	72	34	52.6	239	148	176.9
129	3	DES MOINES #3	14.92	10.62	12.4124	373	181	269.1	160	0	66.2	1446	777	1038.5	2794	2068	2422.3
130	10	ORANGE CITY	16.93	9.12	12.6365	52	13	33.3	31	0	13.6	137	51	99.7	596	253	378.1
131	11	ALGONA	14.87	10.07	12.6806	76	17	36.7	40	0	12.7	157	89	125.2	505	305	394.5
132	10	LEMARS	15.98	9.52	12.7251	74	16	42.6	39	0	15.1	246	67	118.0	573	308	432.0
133	12	HUMBOLT	15.82	10.97	12.7697	24	4	15.5	14	0	4.9	79	25	49.6	336	181	237.5
134	20	WASHINGTON	17.23	9.97	13.0123	69	16	41.9	39	0	15.3	182	86	137.1	558	295	423.7
135	27	ALBIA	15.78	10.60	13.1420	25	2	14.0	14	0	4.4	77	38	52.3	264	123	174.8
136	5	CLARINDA	16.34	10.75	13.2063	42	8	20.2	19	0	6.5	78	39	57.6	289	172	206.3
137	14	EAGLE GROVE	15.38	11.03	13.4281	13	2	7.7	10	0	2.3	45	17	28.0	120	86	103.8
138	8	SIOUX CITY	16.30	11.10	13.5432	368	138	260.4	159	2	74.1	973	528	759.9	3097	2063	2503.1
139	10	ROCK VALLEY	18.18	0.00	14.5446	25	0	13.7	11	0	4.5	55	0	37.6	160	0	115.2
140	17	WATERLOO	17.45	11.38	14.6601	430	137	277.7	219	0	109.8	1369	694	1077.9	3444	2365	2829.9
141	25	FORT MADISON	19.04	12.50	15.9169	68	20	46.2	38	1	18.4	197	111	152.7	643	369	496.6

1980 DL COUNTY DATA

COUNTY	MINLH	MAXLH	AVLH	MINDT	MAXDT	AVDT	MINMT	MAXMT	AVMT	MINWT	MAXWT	AVWT	MINTOT	MAXTOT	ATOT
12	3.53	9.46	5.81608	1	41	35.2	0	25	12.6	16	73	81.4	93	223	301.0
22	0.00	9.87	6.44543	0	29	38.2	0	23	15.2	0	94	128.6	0	212	384.4
5	4.79	8.14	6.50404	10	40	21.4	0	15	5.0	34	88	58.4	134	269	198.6
98	5.62	8.01	6.57018	5	24	13.3	0	12	3.5	9	53	30.1	82	143	105.5
20	5.57	8.89	6.65028	11	55	30.2	0	34	11.0	43	107	76.8	196	313	245.8
81	4.97	10.14	6.67127	10	44	25.2	0	21	8.6	22	72	51.5	175	357	250.6
39	5.61	9.43	6.72317	9	36	19.8	0	14	4.8	30	88	51.1	157	264	207.1
28	5.76	8.45	6.76642	14	87	44.1	0	67	22.7	88	287	155.6	377	572	428.7
62	6.13	8.46	7.10045	17	89	56.1	0	46	19.1	95	217	172.4	411	571	497.0
67	6.20	7.86	7.13090	14	46	27.1	0	14	4.7	43	81	61.3	184	275	219.6
43	4.81	9.39	7.14131	0	62	34.2	0	35	10.8	5	127	101.4	25	299	260.8
38	5.42	9.78	7.19374	6	37	21.9	0	22	7.2	27	80	56.1	169	374	247.3
66	5.48	10.81	7.22690	7	83	37.3	0	45	16.0	41	143	80.6	182	359	257.9
74	4.77	9.25	7.48847	11	49	28.4	0	20	10.4	25	124	86.3	168	407	283.4
54	6.50	9.26	7.55467	9	48	26.2	0	22	9.6	30	93	63.7	179	297	225.8
79	3.41	10.38	7.56597	0	59	39.7	0	37	16.4	16	163	138.9	59	393	385.8
58	6.18	8.99	7.72012	7	20	11.1	0	9	3.0	20	56	32.6	97	142	121.9
45	6.19	9.59	7.75639	11	48	24.7	0	22	8.8	41	112	72.4	193	374	264.3
59	5.87	8.85	7.76779	6	36	22.6	0	25	10.2	32	104	81.4	183	276	248.4
42	4.76	10.00	7.78409	0	49	51.3	0	28	23.7	4	150	179.7	39	394	544.4
6	4.62	10.17	7.81262	3	61	57.0	0	28	18.9	30	161	160.2	101	393	471.6
86	6.82	9.51	7.89296	10	39	22.1	0	19	7.7	44	106	78.0	203	347	253.5
53	5.47	10.00	7.99527	4	38	34.7	0	23	18.6	22	61	82.7	89	219	273.2
16	5.97	10.76	7.99672	10	65	32.6	0	43	14.1	38	123	79.0	217	367	251.9
2	5.79	10.43	8.02813	3	19	10.0	0	11	3.5	12	41	27.8	73	164	115.0
57	5.07	12.90	8.08018	0	332	423.9	0	205	180.9	0	1051	1420.7	1055	2444	4548.4
37	5.97	10.99	8.22412	9	55	32.3	0	13	6.7	53	108	78.6	210	390	311.2
89	5.99	11.33	8.23863	6	20	12.7	0	10	4.3	19	66	36.6	65	182	128.9
85	5.84	11.55	8.42175	0	169	147.5	0	105	61.2	26	378	581.9	172	1002	1818.7
95	5.99	11.90	8.55911	4	48	26.4	0	29	10.6	67	158	100.2	206	395	315.8
13	7.82	10.29	8.59230	4	48	13.7	0	30	5.6	16	161	46.7	133	220	160.7
60	6.32	11.54	8.69025	12	69	30.5	0	49	14.8	57	108	79.6	211	427	283.0
36	6.36	10.45	8.75300	9	18	13.6	0	7	2.9	18	62	34.9	84	207	127.9
35	7.28	10.06	8.77473	7	58	26.0	0	39	9.9	63	124	83.6	224	314	273.8
3	3.46	14.54	8.82951	0	49	34.3	0	34	15.2	8	138	120.9	27	413	355.6
87	6.98	11.35	8.83862	6	23	12.3	0	11	4.1	10	52	32.0	88	189	122.5
61	6.74	10.96	8.86366	13	66	32.3	0	30	10.6	39	104	69.0	208	337	264.9
11	7.62	9.85	8.96076	31	131	83.4	0	89	40.1	101	272	175.0	545	721	610.3
47	6.29	11.96	9.00837	19	56	34.7	0	29	11.4	39	139	76.9	176	340	277.5
9	3.11	12.38	9.03267	1	82	53.3	0	59	23.9	4	172	151.8	33	541	551.3
10	5.97	11.68	9.04326	13	56	34.7	0	40	15.1	47	177	109.3	210	438	342.2
41	6.09	12.69	9.04717	4	33	26.2	0	20	10.8	14	87	80.6	80	200	254.5
76	7.34	10.57	9.06716	16	42	29.9	0	21	9.3	41	100	65.5	214	354	279.3
21	7.99	10.35	9.10846	40	99	69.3	0	65	25.9	120	249	172.9	558	689	637.0
48	8.17	11.47	9.13279	10	55	33.4	0	30	14.2	64	157	94.4	254	381	290.6
44	7.04	10.54	9.17962	15	77	37.1	0	41	15.5	61	199	115.8	276	491	368.8
33	5.64	12.92	9.24721	5	76	65.5	0	55	29.7	68	231	222.0	176	523	637.6
19	7.18	11.47	9.29512	15	51	31.1	0	37	14.3	59	124	91.0	224	358	297.3
49	3.33	11.95	9.29579	1	59	47.1	0	36	16.7	9	237	140.5	25	496	401.5
80	7.28	12.79	9.31842	4	29	13.3	0	12	3.3	8	49	26.9	99	201	139.4
23	5.89	12.12	9.39325	14	152	138.9	0	101	55.9	41	440	389.7	171	1159	1205.3
83	8.33	11.79	9.48662	20	68	40.8	0	41	15.2	61	170	110.6	260	347	296.0
14	7.58	11.17	9.54002	24	91	62.7	0	51	23.8	51	297	184.6	269	818	614.1
26	7.74	17.12	9.61451	5	45	16.5	0	23	5.6	18	141	51.2	59	277	147.2
90	8.09	11.06	9.61800	56	204	133.1	0	125	55.5	211	540	411.4	814	1195	1018.5
40	8.14	12.16	9.65006	12	48	30.2	0	30	11.5	56	161	92.7	230	454	352.6

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1980 DL COUNTY DATA

COUNTY	MINLH	MAXLH	AVLH	MINDT	MAXDT	AVDT	MINMT	MAXMT	AVMT	MINWT	MAXWT	AVWT	MINTOT	MAXTOT	ATOT
71	5.17	12.44	9.6971	5	56	51.8	0	42	23.1	7	142	120.6	60	388	433.8
17	5.90	11.93	9.7026	6	172	131.7	0	103	44.5	14	491	408.9	92	1186	1208.6
64	7.81	11.46	9.7676	37	152	89.9	0	93	40.0	212	485	326.0	853	1189	1044.8
99	6.31	15.38	9.7774	1	23	27.1	0	14	9.5	14	68	91.2	64	253	351.8
24	8.35	12.31	9.8054	22	66	45.0	0	31	13.5	101	192	147.7	294	466	371.7
73	6.15	16.34	9.8486	8	58	50.6	0	25	14.1	39	134	147.9	172	395	491.9
55	5.30	14.87	9.8605	8	76	61.8	0	40	22.3	25	157	181.4	143	505	583.5
78	3.10	12.13	9.9043	0	262	200.0	0	112	53.0	3	1089	848.3	22	2279	2063.2
25	5.94	13.41	9.9181	2	37	39.2	0	17	12.2	29	71	92.3	101	276	351.1
1	6.28	20.51	9.9627	5	28	14.2	0	18	3.8	14	59	33.2	109	275	163.2
82	6.37	14.22	9.9887	74	307	380.6	0	133	102.6	377	1694	1690.1	1133	2829	3777.6
77	5.73	14.92	10.0426	0	373	699.5	0	160	181.0	0	1446	3011.5	1159	2794	7629.3
32	7.94	12.28	10.0671	14	85	36.6	0	57	16.0	51	183	89.1	223	394	301.2
31	3.17	12.51	10.0853	0	275	179.9	0	196	90.2	4	935	730.1	26	2413	2215.6
18	7.78	12.41	10.2607	24	65	42.7	0	38	16.6	52	143	95.7	274	496	397.3
30	7.92	12.57	10.4334	9	45	28.9	0	26	10.0	51	122	85.7	277	436	331.5
50	9.02	12.31	10.5037	34	106	58.7	1	64	27.0	141	329	221.8	534	815	693.0
69	8.88	13.37	10.5554	13	50	32.4	0	32	13.0	69	155	101.4	233	417	329.3
93	7.14	18.73	10.5554	4	20	10.3	0	7	2.2	10	61	33.9	85	241	133.0
63	6.99	13.05	10.7010	6	61	58.7	0	36	22.5	36	178	189.2	113	474	560.3
51	8.25	13.20	10.7514	14	76	36.9	0	44	17.5	82	217	144.0	267	528	361.2
91	9.00	14.74	10.9274	23	65	42.5	0	40	19.0	87	203	148.5	322	519	413.5
70	9.48	13.53	11.0508	44	161	110.0	0	95	43.4	228	459	379.9	728	1130	932.5
96	7.73	14.60	11.1369	5	86	38.6	0	54	17.0	84	221	146.2	272	563	407.4
72	7.59	15.26	11.2547	5	42	15.5	0	28	8.8	15	74	37.8	90	242	143.6
4	9.10	13.42	11.3569	7	64	34.5	0	38	15.7	78	171	126.7	269	490	364.8
34	8.75	15.97	11.5961	8	69	39.0	0	47	19.2	57	193	122.1	308	562	437.1
29	9.86	13.69	11.7760	29	148	92.5	1	83	40.8	231	486	376.1	935	1426	1142.1
88	9.01	14.87	11.8639	15	64	38.6	0	40	16.5	81	136	113.5	281	464	391.7
52	10.36	13.80	11.9906	100	317	228.6	0	142	74.5	485	881	699.5	1737	2317	2050.2
94	10.03	14.74	12.0037	48	214	109.0	0	64	35.4	284	540	394.3	1053	1445	1222.5
8	9.30	14.85	12.0896	11	87	42.8	0	46	14.1	58	182	112.6	330	591	463.2
27	9.21	15.87	12.1070	6	28	18.8	0	14	7.0	27	59	45.6	116	240	167.8
15	9.69	16.68	12.2879	15	67	46.4	0	37	19.2	65	184	129.4	275	608	436.3
65	9.07	16.69	12.3926	9	21	14.7	0	11	4.9	34	72	52.6	148	239	176.9
75	9.52	15.98	12.7251	16	74	42.6	0	39	15.1	67	246	118.0	308	573	432.0
46	10.97	15.82	12.7697	4	24	15.5	0	14	4.9	25	79	49.6	181	336	237.5
92	9.97	17.23	13.0123	16	69	41.9	0	39	15.3	86	182	137.1	295	558	423.7
84	0.00	18.18	13.0359	0	52	47.0	0	31	18.1	0	137	137.3	0	596	493.3
7	7.15	17.45	13.1183	34	430	357.4	0	219	145.6	108	1369	1267.5	475	3444	3454.0
68	10.60	15.78	13.1420	2	25	14.0	0	14	4.4	38	77	52.3	123	264	174.8
97	11.10	16.30	13.5432	138	368	260.4	2	159	74.1	528	973	759.9	2063	3097	2503.1
56	8.73	19.04	14.0455	19	68	81.1	0	38	30.4	82	223	295.6	262	643	890.5

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DESCRIPTIVE STATISTICS FOR DL DATA FROM JAN - OCT 1980

Steve Kadolph  
1/12/81

DLNO	MINLH	MAXLH	AVLH	MINDT	MAXDT	AVDT	MINMT	MAXMT	AVMT	MINWT	MAXWT	AVWT	MINTOT	MAXTOT	ATOT
21	5.07	7.24	6.1581	125	332	216.8	0	205	84.1	432	840	609.6	1055	1372	1192.3
40	5.73	7.72	6.4763	0	0	0.0	0	0	0.0	0	0	0.0	1159	1505	1253.4
41	6.01	7.89	7.1632	0	0	0.0	0	0	0.0	0	0	0.0	1134	1483	1319.9
35	3.17	11.68	7.3681	0	87	139.0	0	67	68.2	4	287	420.9	26	572	1264.1
34	3.41	12.84	7.6020	0	89	145.5	0	46	55.1	16	217	433.7	59	571	1300.8
23	6.37	9.10	8.0111	74	249	162.6	0	96	41.6	377	834	595.4	1133	1729	1484.7
16	3.53	12.16	8.0200	1	157	149.5	0	107	64.4	16	255	398.6	93	710	1354.1
33	3.10	12.31	8.0792	0	68	162.9	0	41	44.4	3	192	451.5	22	466	1261.3
7	4.79	11.17	8.1382	9	91	136.2	0	51	40.3	30	297	372.7	134	818	1331.0
14	4.76	15.38	8.2782	0	58	124.7	0	39	50.4	4	150	402.6	39	394	1344.5
9	4.97	11.96	8.4750	10	131	173.2	0	89	69.4	22	272	368.9	175	721	1417.7
15	0.00	14.60	8.5725	0	86	139.1	0	54	58.7	0	221	482.2	0	563	1371.6
11	4.77	14.87	8.8690	4	76	142.8	0	40	54.1	14	158	448.5	80	505	1437.2
13	5.48	11.93	8.9162	5	172	182.3	0	103	64.0	9	491	519.6	82	1186	1572.0
1	5.84	14.85	9.0898	0	169	229.5	0	105	87.5	26	378	786.8	101	1002	2633.0
20	4.62	17.23	9.1762	3	69	154.4	0	39	56.1	30	182	469.7	101	558	1439.4
22	3.33	12.12	9.3687	1	152	186.0	0	101	72.6	9	440	530.2	25	1159	1606.8
36	3.11	15.97	9.4061	1	82	148.1	0	59	66.2	4	193	437.3	33	562	1550.0
4	5.57	20.51	9.4090	4	66	159.7	0	40	56.3	8	136	397.0	88	464	1495.3
26	5.99	17.12	9.7145	5	204	199.2	0	125	82.9	18	540	643.2	59	1195	1655.8
31	5.97	13.53	9.7475	7	161	190.8	0	95	76.0	20	459	607.3	97	1130	1675.1
32	7.78	12.57	9.7859	9	99	177.5	0	65	68.5	51	249	443.4	223	689	1667.0
19	7.81	12.31	10.0484	34	152	148.6	0	93	67.0	141	485	547.8	534	1189	1737.8
29	8.53	11.12	10.1449	142	326	229.5	0	126	61.0	717	1289	1009.2	1526	2181	1873.3
6	8.75	12.13	10.3383	104	262	184.2	0	112	52.8	495	1089	817.8	1635	2279	1950.0
5	5.79	16.69	10.4922	3	67	167.7	0	37	57.6	12	184	494.0	73	608	1677.3
27	5.87	18.73	10.6437	2	65	159.1	0	40	64.0	10	203	573.3	85	519	1702.6
18	8.39	12.61	10.7368	79	275	158.9	0	196	80.7	354	935	672.7	1696	2413	2052.8
28	9.57	12.90	11.0047	59	277	207.1	3	172	96.8	564	1051	811.1	1733	2444	2036.2
10	0.00	18.18	11.0331	0	74	187.4	0	49	79.9	0	246	493.3	0	596	1785.7
2	9.63	13.58	11.1632	110	267	200.9	0	110	53.8	687	1381	963.8	1714	2669	2080.3
12	7.82	15.82	11.2321	4	214	168.4	0	64	57.4	16	540	583.3	133	1445	1973.3
30	9.25	14.22	11.8892	137	307	218.0	0	133	61.0	701	1694	1094.7	1749	2829	2292.9
24	10.36	13.80	11.9906	100	317	228.6	0	142	74.5	485	881	699.5	1737	2317	2050.2
3	10.62	14.92	12.4124	181	373	269.1	0	160	66.2	777	1446	1038.5	2068	2794	2422.3
25	8.73	19.04	12.6731	19	148	173.6	0	83	71.2	82	486	671.7	262	1426	2032.6
8	11.10	16.30	13.5432	138	368	260.4	2	159	74.1	528	973	759.9	2063	3097	2503.1
17	11.38	17.45	14.6601	137	430	277.7	0	219	109.8	694	1369	1077.9	2365	3444	2829.9

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APPENDIX C

DRIVER LICENSE TEAM SALARIES FOR 1979-1980 FISCAL YEAR  
AND 1980 CALENDAR YEAR

DL Team Number	1979-1980 FY Salary	1980 Calendar Year Salary	DL Team Number	1979-1980 FY Salary	1980 Calendar Year Salary
1	71,728	66,476	20	71,373	70,147
2	45,701	66,476	21	54,763	51,957
3	58,597	55,158	22	54,869	52,935
4	60,928	62,617	23	56,050	55,564
5	61,011	61,049	24	56,629	57,741
6	54,471	44,182	25	62,488	61,396
7	63,375	59,963	26	62,768	61,553
8	58,815	57,333	27	60,452	60,718
9	61,061	57,854	28	60,809	60,121
10	57,238	57,218	29	53,385	47,413
11	57,870	60,244	30	52,303	52,902
12	60,002	58,103	31	57,291	59,428
13	57,002	56,371	32	52,398	46,152
14	59,179	59,209	33	50,146	50,017
15	54,474	53,567	34	54,759	54,825
16	61,778	58,187	35	54,303	52,085
17	65,701	65,897	36	45,454	43,042
18	53,188	51,330	40	34,450	34,306
19	50,516	51,144	41	39,271	39,222



DL LEASES

<u>LOCATION</u>	<u>ANNUAL RENT</u>
Adel	\$720
Albia	360
Algona	300
Bedford	360
Bettendorf	2,100
Bloomfield	240
Burlington	5,000
Cedar Rapids	6,600
Cedar Falls	600
Centerville	720
Clinton	4,800
Corning	240
Council Bluffs	900
Davenport	2,100
Decorah	720
DeWitt	480
Des Moines #2	8,490
Des Moines #29	2,700
Fort Dodge	6,000
Greenfield	540
Iowa City	7,980
Leon	480
Marion	3,600
Marshalltown	6,000
Mason City	2,400
Muscatine	4,000
Osage	520
Oskaloosa	6,000
Ottumwa	6,000
Perry	120
Sheldon	600
Spencer	3,622.04
Storm Lake	1,800
West Union	720
Washington	120
Waterloo	6,699.96



MAINTENANCE COSTS

<u>LOCATION</u>	<u>TOTAL COST</u>
Adel	\$ 75.60
Perry	195.30
Boone	215.60
Nevada	11.70
Ames	16.50
Des Moines	1133.00
Des Moines	15.50
Leon	187.46
Bedford	- - -
Mt. Ayr	- - -
Osceola	588.00
Winterset	52.00
Creston	1663.23
Greenfield	166.98
Red Oak	322.88
Shenandoah	233.02
Atlantic	1261.80
Clarinda	- - -
Corning	- - -
Glenwood	- - -
Sidney	- - -
Council Bluffs	1689.78
Jefferson	939.20
Carroll	397.68
Audubon	- - -
Guthrie Center	- - -
Sioux City	5682.31
Pocahontas	553.11
Storm Lake	509.93
Ida Grove	482.21
Sac City	186.95
Sheldon	150.78
LeMars	- - -
Rock Rapids	- - -
Sibley	20.00
Primghar	- - -
Orange City	40.30
Emmetsburg	171.55
Swea City	194.64
Algona	423.80
Garner	- - -
Britt	- - -
Forest City	- - -
Fort Dodge	2072.05
Webster City	360.00
Rockwell City	180.00
Humboldt	- - -
Osage	238.51
Mason City	1057.18
Northwood	- - -
Clear Lake	- - -

MAINTENANCE COSTS (Continued)

<u>LOCATION</u>	<u>TOTAL COST</u>
Hampton	2496.00
Belmond	109.36
Iowa Falls	26.20
Eagle Grove	- - -
Clarion	- - -
Eldora	34.86
Ackley	- - -
Allison	- - -
Waukon	296.56
West Union	789.18
Elkader	151.02
Strawberry Point	- - -
Lansing	- - -
Monona	- - -
McGregor	- - -
Postville	- - -
Decorah	96.67
Oelwein	470.37
Grundy Center	224.00
Cedar Falls	454.15
Parkersburg	- - -
Waterloo	5426.68
Dubuque	1104.94
Newton	1430.14
Marshalltown	2885.68
Vinton	426.68
Toledo	155.36
Washington	527.70
Belle Plain	151.54
Marengo	495.78
Cedar Rapids	4489.41
Clinton	2320.21
Maquoketa	248.57
DeWitt	209.72
Bellevue	- - -
Bettendorf	3233.69
Iowa City	4536.63
Keokuk	589.95
Ft. Madison	480.00
Burlington	2996.14
Fairfield	230.69
Keosauqua	116.91
Ottumwa	3921.83
Bloomfield	- - -
Centerville	287.05
Albia	225.00
Indianola	269.90
Knoxville	64.30
Chariton	247.40
Corydon	70.00
Marion	4309.63
Des Moines	2310.61

MAINTENANCE COSTS (Continued)

<u>LOCATION</u>	<u>TOTAL COST</u>
Davenport	2761.06
Mt. Pleasant	559.65
Tipton	397.97
Muscatine	2041.91
Wapello	- - -
Cherokee	562.20
Spencer	726.84
Spirit Lake	- - -
Estherville	- - -
Harlan	330.06
Logan	810.00
Denison	122.79
Onawa	- - -
Avoca	- - -
Mo. Valley	- - -
Oakland	- - -
Oskaloosa	2490.93
Sigourney	290.00
Montezuma	- - -
Grinnell	654.56
Manchester	904.92
Cascade	- - -
Independence	181.23
Anamosa	- - -
Monticello	- - -
Guttenberg	- - -
Dyersville	- - -
New Hampton	3452.69
Charles City	1018.84
Waverly	- - -
Sumner	- - -
Tripoli	- - -
Cresco	208.23
Des Moines	5.63
Cedar Rapids	316.56
Grand Total	88,235.13



VEHICLE DEPRECIATION COSTS

DL NO.	Depreciation	Year
1	1,135.26	1977
4	590.54	1980
5	2,128.42	1977
7	2,123.29	1977
9	2,307.21	1977
10	2,464.43	1977
11	2,278.07	1977
12	1,809.81	1977
13	1,847.25	1977
14	574.71	1980
15	2,336.30	1977
16	1,366.63	1976
19	1,908.70	1977
20	596.86	1980
22	1,757.94	1977
25	17,732.07	1977
26	17,760.83	1977
27	2,324.03	1977
31	1,541.45	1977
32	740.18	1980
33	2,105.52	1977
34	671.98	1979
35	565.23	1980
36	2,124.87	1977

1980 VEHICLE MAINTENANCE AND GAS COSTS

DL Team Number	Cost
1	1,604
4	2,397
5	2,192
7	1,852
9	2,000
10	2,059
11	1,758
12	1,258
13	1,609
14	2,611
15	1,994
16	1,619
19	1,395
20	2,733
22	1,220
25	1,719
26	1,405
27	2,238
31	1,728
32	1,169
33	2,368
34	1,719
35	1,960
36	1,910







## Appendix E

### SUMMARY OF JUNE 1977 SURVEY DATA FOR TUESDAY EVENING AND SATURDAY SERVICE

In reviewing the opinion poll conducted by Central Surveys, Inc. during July 1977, the questions in Appendix F were separated. This separation was made based upon their relationship to Tuesday evening and Saturday service.

The following facts may be obtained from this survey with regard to Saturday service:

1. Eight percent of the people surveyed remembered getting their licenses on Saturday. (Question 3)
2. Six percent of the people surveyed said they would like to have stations open on Saturday to improve service. (Question 6)
3. Thirty-nine percent of the people said having many locations open all day Saturday would be more convenient. (Question 7)
4. Four of 23 people said the reason current service was not satisfactory was because of lack of Saturday or weekend service. (Question 5c)
5. Ninety-one percent of the people who remembered the day on which they got their licenses said it was satisfactory. (Question 5b)
6. Ninety-six percent responded that if the stations were closed on Monday so they could be open on Saturday, it would cause no inconvenience. (Question 8)
7. Five percent of the people who did not have a driver license team visit their community remembered getting their licenses on Saturday. (Question 8)

The following facts may be obtained for Tuesday evening service from the survey:

1. Seven percent of the people surveyed would like to see changes in the hours of operation. (Question 6)
2. Forty-eight percent said it would be more convenient if many locations stayed open until 8:00 p.m. (Question 9)
3. Ninety-five percent responded that if a station opened at noon in order to stay open until 8:00 p.m., no inconvenience would result. (Question 10)
4. Ninety percent said Tuesday would be as good as any evening to remain open until 8:00 p.m. (Question 11)
5. See Question 11a to see reasons why eight percent of the people said Tuesday was not acceptable.

6. Six percent of the people who worked full time said that station operating hours made it difficult or impossible to get to a driver license station on time. (Question 16b)

The two questions asking about the convenience of Saturday or evening service both contained the expression "at many locations". Because there are only 38 driver license teams and 140 locations, the use of the word "many" could have been misleading. Also, just from the nature of these two questions one would expect to get a substantial amount of people who would respond that it would be more convenient. When asked if the current day was satisfactory, 91 percent responded yes. Unfortunately, no question was asked as to whether or not the current hours of operation were satisfactory.

The following tables show operating hours and locations served for various points in time by the Driver License Office. The June 1977 data was from immediately prior to the survey. The February 1979 data was after all teams except 40 and 41 had gone to a schedule set in part by the survey. It should be noted that the survey said "close at 8:00 p.m." for evening service, while the actual closing times were at 7:15 p.m. All percentages are based on weekly hours, and if more than one location was served, all locations served by that team were counted. The hours were weighted accordingly.

DAILY PERCENT OF TOTAL HOURS

	Jan 1973	June 1977	Feb 1979	Oct. 1980
Monday	18.1	18.5	1.2	1.2
Tuesday	18.5	18.1	21.0	21.0
Wednesday	18.0	18.6	20.0	20.0
Thursday	19.1	20.2	20.1	20.0
Friday	18.8	18.9	19.5	19.7
Saturday	7.5	5.7	18.2	18.1
TOTAL HOURS	1,249:54	1,307:44	1,576:32	1,482:39

SATURDAY AND EVENING  
PERCENT TOTAL HOURS

	Jan 1973	June 1977	Feb. 1979	Oct. 1980
Open				
After:				
4:00	9.1	11.9	18.3	12.6
5:00	3.6	5.2	8.5	3.5
6:00	2.2	3.1	3.0	1.2
Saturday	7.5	5.7	18.2	18.1
TOTAL HOURS	1,249:54	1,307:44	1,576:32	1,482:39

SATURDAY AND EVENING  
PERCENT TOTAL LOCATIONS

	Jan. 1973	June 1977	Feb 1979	Oct. 1980
Open				
After				
4:00	52.6	34.3	92.8	90.0
5:00	8.9	10.2	91.4	22.8
6:00	8.1	8.8	27.1	15.7
Saturday	22.2	19.7	26.4	26.4
Total				
Locations	135	137	140	140

APRIL 1980 SURVEY DATA\*

Open	Percent hours	Percent Licenses
After 4:00	17.2	14.5
After 5:00	7.1	5.1
After 6:00	2.9	1.6
Saturday	17.4	17.2

\*This Table does not include information for all locations. For locations that were missing information on the April 1980 survey see Appendix A, Item 1.

For the following reasons it is difficult to draw any conclusions in regard to evening and Saturday service from this survey:

1. The only people who are included in the survey are those with a telephone.
2. No documentation was included on what was done if a person was not reached on the first call.
3. No documentation is included on how sample was selected.
4. In the period reviewed, January 1973 - October 1980, there was always some evening and Saturday service.
5. No data is available other than that from the April 1980 survey to use to evaluate evening and Saturday service.



Appendix F

Questions Pertaining to Tuesday and Saturday Service  
From July 1977 Survey

Q.3: Do you recall whether you renewed your license on a weekday or on a Saturday?

Weekday	84%
Saturday	8%
Don't recall	8%

Q.5a: (If never on Q.5) How about the nearest community that the driver license team visits -- do you know what day or days they are there?

Monday	4%
Tuesday	9%
Wednesday	7%
Thursday	14%
Friday	12%
Saturday	5%
Daily (includes those mentioning 3 or more days)	26%
Don't know, can't recall	33%

Q.5b: (Asked only of the 331 who name day on Q.5 or 5a) Is that day as satisfactory as any, from your standpoint?

	Number of respondents (331)
Yes	91%
No	8
No opinion	1

Q.5c: (If "no" on Q.5b) Why not?

- 2 say "We need more days" or "It would be better to have it open more days."
- 2 "They should be open on Saturdays."
- 2 "They should be open available every day."
- 4 "It isn't good for working people.", "I have to take off work.", "It's hard for working people.", etc.
- 1 "I have to take off work early because I work until noon and they close at noon."
- 1 "It's hard for me to get there because of my job."
- 1 "Too many people work and cannot get to the driver license renewal place and have to take off work."

- 1 "It's impossible for me to go to my county courthouse during the work week ----Monday through Friday."
- 1 "I only have Thursdays off. From 4 o'clock after working hours is when I find it more convenient".
- 1 "I have other activities I have to attend to after working all day."
- 1 "I prefer a center closer to home and I think a center near here should be open on Saturdays as we work."
- 1 "I work nights."
- 1 "I have to go on my noon hour."
- 1 "If I'm not able to make it on Friday I have to drive to a town further away."
- 1 I drove to Forest City, 25 miles away, and the examiner wasn't there so I drove another 15 miles to Garner. I'd like to have them open more than one day a week."
- 1 "It's packed with people those days."

Q.6: The people in charge of the Driver License Office in Iowa are trying to improve the service available to the driver of Iowa. Are there any time or place changes you would suggest, that would make it more convenient to you, when you renew your license next time?

Suggest changes in timing	16%
Refer to hours -- Open earlier, stay open later, open over noon hour, etc	(7%)
Want stations open Saturdays, weekends, etc.	(6%)
Prefer different or more days	(3%)
Want more or closer stations	8%
Mention actual procedures of testing teams:	
Want separation of routine renewal and testing, motorcycle or chauffeur, etc.	(2%)
Want more manpower, quicker service	(1%)
Critical of procedures, machinery, picture taking, etc.	(1%)
Offer miscellaneous other suggestions	3%
Offer no suggestions	73%

Q.7: One possibility is to keep the licensing stations open all day Saturday at many locations. Would that be more convenient for you, or wouldn't it make any difference?

More convenient	39%
Would make no difference	59%

	Less convenient	1%
	No opinion	1%
Q.8:	If the licensing stations were open Saturday, they would probably close on weekday, since most people work a five day week. If the licensing stations were always closed on Monday, would that be any inconvenience to you, or wouldn't matter?	
	Would be inconvenient	3%
	Wouldn't matter	96%
	No opinion	1%
Q.9:	Another possibility is to stay open until 8 p.m. on one night each week at many locations. Would that be more convenient for you, or wouldn't it make any difference?	
	More convenient	48%
	Makes no difference	52%
	Less convenient	*
	No opinion	*
Q.10:	If the licensing stations stayed open one evening per week, they would probably open at noon that day instead of earlier in the morning. Would that matter to you?	
	Yes, it would matter	4%
	No, it would not	95%
	No opinion	1%
Q.11:	Would Tuesday night be as good as any to stay open until 8?	
	Yes	90%
	No	8%
	No opinion	2%
Q.11a:	(If "no" on Q.11) Why? Percent asked, *	
	Prefer night stores are open	4%
	Have a conflict on Tuesday, lodge night, bridge nights, etc.	2%
	Give no reasons for wanting another night, would prefer Monday, Wednesday, more convenient, etc.	1%



Don't know, give no reason

\*

Q.16b: (If "full time" on 16a) Do you work regular daytime hours, such as 8 a.m. to 5 p.m., or some other type of schedule? Percent asked, 48%

Work hours that are either not controlled or daytime hours, can get to license bureau if want 45%

Work hours make it difficult or impossible to get to driver license station at proper time 3%

\*Less than  $\frac{1}{2}$  of 1 percent.



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