

DEPARTMENT Mn/DOT - Office of Design Services

Office Memorandum

TO : Jim Reiersen
Site and Development Unit

DATE: September 22, 1978

FROM : Robert Doerr
Highway Technician Intermediate

PHONE: 296-7533

SUBJECT: Frazee Rest Area Usage Study U.S. 10

This rest area usage study was done to obtain information to be used in spacing future rest areas and providing the proper numbers of facilities necessary at each location.

This information is obtained by giving each car that enters the rest area a list of questions that they fill out during there stay in the area. This list is then collected as the car leaves the area. The Frazee count was done for 8 hrs. a day for 5 days, Thursday - Monday.

The number and type of vehicles passing the area were also counted. This allowed us to develop averages for stopping and length of stay for each type of vehicles using the rest area.

The following information was collected:

SUMMARY

Date: August 3rd - 7th, 1978

Hours: 9 A.M. to 5 P.M.

Weather: Partly cloudy to clear and warm

Total vehicles on Mainline 9 A.M. to 5 P.M.

Vehicles entering rest area 9 A.M. to 5 P.M.

Percent of Vehicles stopping 9 A.M. to 5 P.M.

Average persons per vehicle

Average time in rest area

Out of state vehicles entering area

9457
594
6.3 %
2.6
19.2 min.
44.8%

Purpose for Entering Area

Use Rest Rooms

Eat

Just to Rest

Get Water

Other

Use Travel Information Board

Use Trash Receptacles

Telephone

Dispose of Sewage

62%
12%
9%
6%
4%
3%
2%
1%
1%

Percent of People Using

Rest Rooms

Drinking Water

80%
45%

Percent of Vehicles Using

Trash Receptacles	27%
Picnic Tables	18%
Travel Information	11%
Telephone	4%
Electric Outlet	.1%

Percent of Vehicles Stopping at Other Rest Areas 28%

Percent of Vehicles with Pets 13%

Number of Vehicles that Stopped

Date	Day	Vehicles Entering	Out of State	Vehicles on Mainline 9AM - 5PM	Percent Stopping
Aug. 3rd	Thur.	92	43	1795	5.1%
Aug. 4th	Fri.	125	60	1956	6.4%
Aug. 5th	Sat.	126	52	1948	6.5%
Aug. 6th	Sun.	151	68	1973	7.7%
Aug. 7th	Mon.	<u>100</u>	<u>43</u>	<u>1785</u>	<u>5.6%</u>
TOTAL		594	266	9457	6.3%

Time Vehicles Entered Area

	Thur.	Fri.	Sat.	Sun.	Mon.
AM 9-10	8	7	10	16	17
10-11	12	14	15	20	14
11-12	16	17	16	13	13
12-1	13	20	24	28	16
PM 1-2	12	24	17	17	8
2-3	12	17	16	16	8
3-4	9	17	16	23	14
4-5	<u>10</u>	<u>9</u>	<u>12</u>	<u>18</u>	<u>10</u>
TOTALS	92	125	126	151	100

AVERAGE Information for Each Type of Vehicle that Entered Area

Type Vehicle	Average Length of stay	Average Number of Peo.	A	B
Car	18.0 min.	2.6	65.7%	6.3
Car with camper trailer	18.7 min.	4.1	2.5%	12.2
Car with house trailer	38.0 min.	3.0	3.7%	16.7
Car with boat trailer	13.2 min.	2.8	1.0%	5.5
Car with other trailer	28.0 min.	2.5	0.3%	3.6
Single Unit Truck	13.7 min.	2.6	12.3%	6.3
Truck with Camper	29.4 min.	3.0	3.9%	9.6
Truck with Trailer	29.0 min.	2.6	1.3%	11.4
Truck (commercial)	16.1 min.	1.5	1.3%	3.0
Truck (tractor trailer)	20.3 min.	1.3	3.0%	1.9
Motor Home	27.4 min.	3.3	3.4%	27.4%
Other (mostly motorcycles)	<u>15.7 min.</u>	<u>1.2</u>	<u>1.6%</u>	<u>7.7%</u>
TOTALS	19.2 min.	2.6 peo.	100%	6.3%

A Refers to Percentage of total number of vehicles using rest stop.

B Refers to Percentage this type vehicle that stopped out of total number of this type vehicle that passed rest stop.

COMMENTS

Most Common Comments

Percent of Comments

Rest Area was Very Nice or Nicest ever seen
 Rest Area was Clean or Cleanest they ever saw
 Minnesota Needs more rest areas
 Rest Area was Beautiful
 Rest Area was Excellent

32%
 30%
 8%
 9%
 4%

Other Comments were:

Should have paper towels in rest rooms
 Would like to see shower stalls
 Should have paper toilet seat covers
 Should get better mirrors
 Especially appreciate the restricted grounds for pets and their "YUK"!!

SUPER!!

Rest Areas in Minnesota are exceptional and the U.S. tax payers deserve there unusually high standards

Should have Dump Stations for campers

If money is limited they would rather see a few clean rest areas than a lot of small dirty ones.

FRAZEE REST AREA USAGE SURVEY T.H. 10

DEAR MOTORIST:

THE MINNESOTA DEPARTMENT OF TRANSPORTATION IS DETERMINING WHAT SHOULD BE THE SPACING OF THE REST AREAS ALONG THE HIGHWAY AND WHAT FACILITIES THEY SHOULD PROVIDE TO SATISFY YOUR NEEDS. ONLY YOU CAN SUPPLY INFORMATION WE NEED TO PLAN REST AREA FACILITIES. PLEASE ANSWER THE FOLLOWING QUESTIONS.

DAY OF WEEK _____ VEHICLE TYPE _____ NUMBER OF PEOPLE IN
DATE _____ TIME IN _____ VEHICLE _____
LICENSING STATE _____ TIME OUT _____

REST AREA USE

1. WHAT WAS YOUR CHIEF PURPOSE FOR DRIVING INTO THIS REST AREA? (check only one)

- 1. Use rest room 2. Dispose of sewage 3. Water
- 4. Just to rest 5. Use travel information Board 6. Telephone
- 7. Eat 8. Use trash receptacle 9. Other _____
(please specify)

2. HOW MANY PEOPLE IN YOUR PARTY USED THE FOLLOWING?

Rest room facilities _____ Drinking water supply _____

3. WHICH OF THE FOLLOWING FACILITIES WERE USED BY YOUR PARTY?

- 1. Picnic table 2. Travel information 3. Electrical outlet
- 4. Trash receptacle 5. Telephone 6. Other _____

4. DID YOU STOP AT ANY OTHER REST AREA THIS TRIP? YES NO

WHERE _____

5. DO YOU HAVE ANY PETS TRAVELING WITH YOU? _____ NUMBER _____

6. COMMENTS _____

PLEASE RETURN TO PEOPLE AT REST AREA EXIT

THANK YOU