

DEPARTMENT Mn/DOT - Office of Design Services

Office Memorandum

TO : Jim Reierson
Site and Development Unit

DATE: October 23, 1978

FROM : Robert Doerr
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SUBJECT: Garrison Rest Area Usage Study T.H. 169

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 Garrison 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 17th - 21st, 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.	19830
Vehicles entering rest area	9 A.M. to 5 P.M.	1138
Percent of Vehicles stopping	9 A.M. to 5 P.M.	5.7%
Average persons per vehicle		2.8
Average time in rest area		42.2 min.
Out of State vehicles entering area		10.5%

Purpose for Entering Area

Use Rest Rooms	44%
Eat	17%
Other	12%
Just to Rest	11%
Get Water	7%
Camping	4%
Use Trash Receptacles	2%
Use Travel Information Board	1%
Telephone	1%
Fishing & Boating	1%

Percent of People Using

Rest Rooms	60%
Drinking Water	26%

Percent of Vehicles Using

Trash Receptacles	28%
Picnic Tables	18%
Travel Information	5%
Camping	5%
Telephone	4%
Other	3%
Boat Launch	2%
Electric Outlet	1%

Percent of Vehicles with Pets 1.7%

Number of Vehicles that Stopped

Date	Day	Vehicles Entering	Out of State	Vehicles on Mainline 9AM - 5PM	Percent Stopping
Aug. 17th.	Thur.	154	21	2546	6.0
Aug. 18th.	Fri.	209	27	3705	5.6
*Aug. 19th.	Sat.	286	32	5177	5.5
*Aug. 20th.	Sun.	324	20	5570	5.8
Aug. 21st.	Mon.	<u>165</u>	<u>19</u>	<u>2832</u>	<u>5.8</u>
TOTAL		1138	119	19830	5.7

*Aug. 19th & 20th Garrison Minnesota has a celebration called Walleye days. Unknown to the people conducting the survey the Chamber of Commerce hid a treasure in the Rest Area. The forms collected from treasure hunters were separated from the regular form to try and maintain a normal count of users. The Treasure was found Sunday afternoon at 4:00, the treasure hunters turned in approximately 197 forms on Saturday and Sunday, these were not included in the study.

Time Vehicles Entered Area

	Thur.	Fri.	Sat.	Sun.	Mon.
AM 9-10	12	13	24	27	10
10-11	17	17	39	34	13
11-12	22	24	40	46	34
12-1	27	35	45	48	26
PM 1-2	27	24	43	46	24
2-3	21	33	39	48	22
3-4	16	32	32	40	23
4-5	<u>12</u>	<u>31</u>	<u>24</u>	<u>35</u>	<u>13</u>
TOTALS	154	209	286	324	165

AVERAGE Information for Each Type of Vehicle that Entered Area

Type Vehicle	Average Length of Stay ¹	Average Number of People	A	B
Car	25.0 min.	2.7	63.8%	5.2%
Car with camper trailer	22.4 min.	3.7	2.5%	9.0%
Car with house trailer	438.3 min.	3.0	.3%	1.2%
Car with boat trailer	32.0 min.	3.4	3.7%	5.5%
Car with other trailer	30.0 min.	4.2	.5%	3.6%
Single Unit Truck	42.8 min.	2.9	18.0%	6.9%
Truck with Camper	165.3 min.	3.0	3.0%	8.6%
Truck with Trailer	99.1 min.	2.7	4.4%	39.4%
Truck (commerical)	11.4 min.	1.2	1.4%	1.7%
Truck (tractor trailer)	13.0 min.	2.0	.1%	0.6%
Motor Home	253.4 min.	2.7	2.0%	19.0%
Bus	351.0 min.	15.0	.3%	13.0%
Other (mostly motorcycles)	<u>18.1 min.</u>	<u>2.5</u>	<u>1.0%</u>	<u>7.5%</u>
TOTALS	42.2 min.	2.9 people	100%	7.5%

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.

1 overnite camping permitted at this location.

COMMENTS

Most Common Comments

Percent of Comments

Rest Area was Very Nice or Nicest ever seen	17%
Rest Area was Clean or Cleanest they ever saw	14%
Minnesota Needs more rest areas	6%
Rest Area was Beautiful	3%
Rest Area was Excellent	3%

Other Comments were:

- Would like to see facility open all year
- Should have paper towels in rest rooms
- Would like to see shower stalls
- Couldn't see out of women's mirrors
- Should have maps available for public
- Tax dollar is well spent here
- The single trash receptacle is inconvenient!
- Rest Area could be marked better from south
- Need soap
- Lower map on information board 1 foot

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