

Office Memorandum

DEPARTMENT HIGHWAY - Env. Services - Room 620
Extension 6127

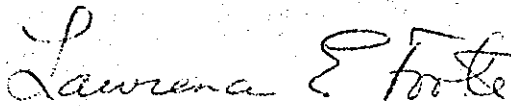
DATE: December 16, 1971

TO : L.A. Korth
Assistant Commissioner
Design and R/W

FROM : L.E. Foote, Director
Environmental Services

SUBJECT: Rest Area Usage Study
Forest Lake I-35

Attached is a summation of our study on rest area usage. Also attached is a summation of our usage at the Forest Lake Rest Area.



L.E. Foote, Director
Environmental Services

Attachment:
Summations (2)

cc:
J.A. Murchie
F.W. Thorstenson
J. Pawlak
F. Pawlak
Bill Merritt
C.A. Siggerud
H. Juffer
D. Wreisner
Stan Paulson

4
11/8
3
38

Office Memorandum

DEPARTMENT HIGHWAY - Env. Services - Room 620
Extension 6127

TO : L.E. Foote, Director
 Environmental Services

DATE: December 7, 1971

FROM : Stan Paulson
 Senior Highway Technician

SUBJECT: Rest Area Usage

PURPOSE FOR ENTERING : TO EAT

Moorhead	Iverson	Latoka	Hansel	General Andrews	Forest Lake
9%	16%	10%	38%	8%	5%

PERCENT OF VEHICLES USING: PICNIC TABLES

Moorhead	Iverson	Latoka	Hansel	General Andrews	Forest Lake
7%	10%	11%	16%	6%	6%

Notice the low interest in eating and picnic table use on I 35 compared to I 94. Forest Lake especially having low use. Possibly telling us that a great need for immediate picnic tables doesn't exist in our inbound information centers and rest areas.

For the year of 1971 our rest area surveys have indicated a reduction in persons per vehicle to 2.9. Our present figure of 3.3 per vehicle was established from our 1969 Lake Hansel Study of August 1969. Our 1971 surveys were held at General Andrews, Forest Lake, Dresbach, Burgen Lake, Lake Latoka, Adrian East and West bound, Kettle River and Stewartville. Our 1970 studies at Moorhead, Lake Iverson and Lake Latoka indicated an average of 3.2 persons per vehicle. You'll notice the decrease in persons per vehicle from 3.3 in 1969 to 2.9 in 1971. This reduction could make a difference in the size of our facilities of our future rest areas.

Stan Paulson
 Stan Paulson
 Senior Highway Technician

Office Memorandum

DEPARTMENT HIGHWAY - Env. Services - Room 620
Extension 6127

TO : L.E. Foote, Director
Environmental Services

DATE: December 6, 1971

FROM : Stan Paulson
Senior Highway Technician

SUBJECT: Forest Lake Rest Area T.H. 35
Usage Study Part I

Date: June 24, 25, 1971
Hours: 10 A.M. - 6 P.M.
Weather: Rained June 24, 1971

Vehicles on mainline: 6715
Vehicles entering: 370
Percent of vehicles entering: 5.5%
Out of State vehicles entering: 30%
Average persons/vehicle: 2.3#
Average water use: 2400 gal./day (24 hours)

185
426 516

PURPOSE FOR ENTERING

Use Rest Room 60.3 %
Other 16.5 %
To Rest 10.5 %
To Eat 5.9 %
Use Telephone 4.6 %
Get Travel Information 1.1 %
Get Water 0.8 %
Dispose of Waste 0.3 %

PERCENT OF PERSONS USING

Rest Room 68.5 %
Drinking Water 30.8 %
Use Telephone 4.3 %

PERCENT OF VEHICLES USING

Waste Disposal 7.0 %
Travel Information 6.8 %
Picnic Tables 4.3 %

AVERAGE LENGTH OF STAY

To Eat 25 minutes
To Rest 24 Minutes
Use Telephone 13 minutes
Other 13 minutes
Use Rest Room 10 minutes

L.E. Foote
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Forest Lake Rest Area
Usage Study - Part I

AVERAGE LENGTH OF STAY (Continued)

Get Water	9 minutes
Travel Information	6 minutes
Dispose of Waste	<u>3 minutes</u>
Average	13 minutes

<u>Day</u>	<u>Vehicles Entering</u>	<u>Vehicles on Mainline</u>	<u>% Stopping</u>
Thursday	173	3284	5.3 %
Friday	<u>197</u>	<u>3431</u>	<u>5.7 %</u>
Totals	370	6715	5.5 %

TIME OF ENTRY

<u>Hour</u>	<u>Thursday</u>	<u>Friday</u>	<u>Total</u>
10-11	12	23	35
11-Noon	34	24	58
Noon-1	24	22	46
1-2	29	27	56
2-3	24	30	54
3-4	24	30	54
4-5	15	21	36
5-6	11	20	31
TOTALS	<u>173</u>	<u>197</u>	<u>370</u>

VEHICLES ENTERING

Passenger cars pulling no trailers	66.3 %
Vehicles pulling a trailer	10.5 %
Semi-trucks	9.0 %
Pickup campers	5.1 %
Buses	5.1 %
Single Unit trucks	3.2 %
Other motor vehicles	0.8 %

Stan Paulson
Stan Paulson
Senior Highway Technician

Office Memorandum

DEPARTMENT: HIGHWAY - Env. Services - Rm. 620
Extension 6127

DATE: December 6, 1971

TO : L.E. Foote, Director
 Environmental Services

FROM : Stan Paulson
 Senior Highway Technician

SUBJECT: Forest Lake Rest Area T.H. 35
 Usage Study Part II

Date: June 26-28, 1971
 Hours: 10 A.M. - 8 P.M.
 Weather: Partly cloudy and warm

Vehicles on mainline: 19,244
 Vehicles entering: 990
 Percent of vehicles entering: 5.1 %
 Out of State vehicles entering: 25 %
 Average person/vehicle: 3.1 #
 Average water use: 4950 gallons/day (24 hours)

PURPOSE FOR ENTERING

Use Rest Room	41.2 %
To Rest	22.3 %
Other	16.2 %
Get Water	11.0 %
To Eat	4.5 %
Travel Information	2.2 %
Use Telephone	2.1 %
Dispose of Waste	0.5 %

PERCENT OF PERSONS USING

Rest Room	65.6 %
Drinking Water	48.1 %
Use Telephone	1.4 %

PERCENT OF VEHICLES USING

Picnic Tables	6.9 %
Waste Disposal	6.4 %
Travel Information	5.5 %

AVERAGE LENGTH OF STAY

To Eat	29 minutes
To Rest	17 minutes
Get Water	11 minutes
Use Rest Room	10 minutes
Other	9 minutes
Use Telephone	8 minutes
Travel Information	7 minutes
Dispose of Waste	<u>4 minutes</u>
AVERAGE	12 minutes

<u>Day</u>	<u>Vehicles Entering</u>	<u>Vehicles on Mainline</u>	<u>% Stopping</u>
Saturday	291	5382	5.4 %
Sunday	471	9858	4.8 %
Monday	<u>228</u>	<u>4004</u>	<u>5.7 %</u>
TOTALS	990	19244	5.1 %

TIME OF ENTRY

<u>HOOR</u>	<u>SATURDAY</u>	<u>SUNDAY</u>	<u>MONDAY</u>	<u>TOTAL</u>
10-11	35	30	24	89
11-Noon	26	37	32	95
Noon-1	38	36	26	100
1-2	36	43	22	101
2-3	27	47	22	96
3-4	38	62	18	118
4-5	28	69	29	126
5-6	28	51	25	104
6-7	21	47	14	82
7-8	<u>14</u>	<u>49</u>	<u>16</u>	<u>79</u>
TOTALS	291	471	228	990

VEHICLES ENTERING

Passenger cars pulling no trailers	75.5 %
Vehicles pulling a trailer	10.6 %
Single Unit Trucks	5.1 %
Pickup Campers	2.9 %
Semi-trucks	2.7 %
Buses	2.3 %
Other	0.9 %

Stan Paulson
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 Senior Highway Technician