

HIGHWAY - Environmental Services
Room G-4 Ext. 6127

Leo A. Korth
Assistant Commissioner
Design and Right of Way

Aug. 22, 1973

L. E. Foote, Director
Office of Environmental Services

Kettle River Rest Area Usage Study

Attached is a report on the above subject. For five days over the weekend between July 26 and July 30 and between the hours of 9:00 A.M. and 6:00 P.M., the Rest Area served 3,711 people. Based on other 24-hour surveys which we have conducted in the past, this would indicate a 24-hour, five-day usage of about 7,500 people. Overall this indicates a level of usage about on a par with our past surveys. There may be some indication here that the opening of the Thompson Hill Rest Area has had a slight moderating effect upon the usage at Kettle River.

You will note that the average number of persons per vehicle, 2.2, is well below the normal 3+ that we usually encounter in surveys and which we are again finding elsewhere this year. We have no explanation as to why this phenomenon occurred.

L. E. Foote, Director
Office of Environmental Services

Attachments:
Usage Study Report

cc:
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F. C. Marshall
J. T. Pawlak, D.E., Dist. 1
R. E. Wolfe, A.D.E., Dist. 1
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HIGHWAY - Environmental Services
Room G-4 Ext. 6127

L. E. Foote
Director
Office of Environmental Services

Aug. 16, 1973

Stanley A. Paulson
Sr. Highway Technician

Kettle River Rest Area Usage Study

Date: July 26 - July 30, 1973
Hours: 9:00 A.M. - 6:00 P.M.
Weather: Intermittent rain
Vehicles on mainline (N.B.): 14,639
Vehicles entering Rest Area: 1,687
Percent of vehicles entering: 11.5%
Average persons/vehicle: 2.2

Percent of Vehicles Entering

	<u>Vehicles on Mainline</u>	<u>Vehicles Entering</u>	<u>% Stopping</u>
Thursday	2,005	214	10.7
Friday	3,585	381	10.6
Saturday	4,092	516	12.6
Sunday	2,694	273	10.1
Monday	2,263	303	13.4
Total	14,639	1,687	11.5%

Vehicles Entering

Passenger cars pulling no trailer	71.8%
Vehicles pulling a trailer	14.2%
Pickup campers	5.3%
Single unit trucks	3.4%
Semi-trucks	3.0%
Buses	1.4%
Other	0.9%

Vehicles in Area on the Hour

	<u>Thursday</u>	<u>Friday</u>	<u>Saturday</u>	<u>Sunday</u>	<u>Monday</u>	<u>Total</u>
9:00 A.M.	4	8	21	4	4	41
10:00 A.M.	9	8	16	5	7	45
11:00 A.M.	12	8	28	9	11	68
Noon	10	10	19	11	14	64
1:00 P.M.	7	11	22	14	13	67
2:00 P.M.	16	10	14	8	6	44
3:00 P.M.	11	14	8	10	7	50
4:00 P.M.	2	10	8	14	5	39
5:00 P.M.	2	11	4	11	5	33
6:00 P.M.	4	9	5	6	4	28

Picnic Tables in Use on the Hour

	<u>Thursday</u>	<u>Friday</u>	<u>Saturday</u>	<u>Sunday</u>	<u>Monday</u>	<u>Total</u>
9:00 A.M.	0	0	0	0	0	0
10:00 A.M.	0	1	2	0	1	4
11:00 A.M.	0	0	0	1	1	2
Noon	2	1	6	3	3	15
1:00 P.M.	4	1	2	2	5	14
2:00 P.M.	0	0	2	3	0	5
3:00 P.M.	2	1	1	2	1	7
4:00 P.M.	0	1	2	1	0	4
5:00 P.M.	1	0	0	0	0	1
6:00 P.M.	2	0	0	1	0	3

Water Use per Hour (gal.)

	<u>Thursday</u>	<u>Friday</u>	<u>Saturday</u>	<u>Sunday</u>	<u>Monday</u>	<u>Total</u>
9:00-10:00 A.M.	93	175	200	70	160	703
10:00-11:00 A.M.	171	345	538	330	314	1,598
11:00-Noon	309	155	505	360	301	1,630
Noon -1:00 P.M.	76	340	739	340	238	1,733
1:00-2:00 P.M.	251	280	235	300	217	1,283
2:00-3:00 P.M.	135	340	335	270	160	1,240
3:00-4:00 P.M.	195	231	170	249	160	1,005
4:00-5:00 P.M.	95	327	270	319	235	1,246
5:00-6:00 P.M.	110	242	115	72	135	674
Total	1440	2435	3107	2310	1920	11,212

Stanley A. Paulson
 Sr. Highway Technician
 Office of Environmental Services

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