

DEPARTMENT HIGHWAY - Env. Services - Room 620  
Extension 6137

# Office Memorandum

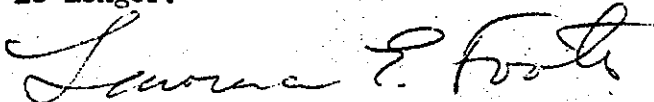
TO : L.A. Korth  
Assistant Commissioner  
Design and E/W

*file*  
DATE: October 8, 1971

FROM : L.E. Foote, Director  
Environmental Services

SUBJECT: Rest Area Usage Study  
Long Lake and Shingobee Bay on T.H. 371

Attached are copies of subject rest area usage studies, these facilities all have vault toilets. The percentage of mainline traffic stopping at Long Lake is lower than we might have estimated, while the length of stay is longer.



L.E. Foote, Director  
Environmental Services

Attachment:  
Usage Studies

cc:  
L.A. Korth  
W.S. Ekern  
J.A. Murchie  
D.J. Aune  
T.G. Soderberg  
Stan Paulson

# Office Memorandum

DEPARTMENT HIGHWAY - Env. Services - Room 620  
Extension 6127

DATE September 27, 1971

TO : L.E. Foote, Director  
Environmental Services

FROM : Stan Paulson  
Senior Highway Technician

SUBJECT: Shingobee Bay Usage Study T.H. 371

Date:	July 15-19, 1971
Hours:	10 A.M. - 6 P.M.
Weather:	Clear and Warm - One day of rain
Vehicles on mainline:	16,106
Vehicles entering:	238
Percent of vehicles entering:	1.5%
Out of state vehicles entering	41%
Average persons/vehicle	3.1

PURPOSE FOR ENTERING

Use Rest Room	30.1 %
To Eat	25.5 %
Other	22.6 %
Just to Rest	17.2 %
Get Water	2.5 %
Dispose of Waste	1.7 %
Dispose of Sewage	0.4 %

PERCENT OF PERSONS USING

Rest Room	70 %
Drinking Water	14 %

Percent of Vehicles Using

Waste disposal	26 %
Picnic Tables	23 %

AVERAGE LENGTH OF STAY

To Eat	31 Min.
Other	27 Min.
Just to Rest	16 Min.
Get Water	14 Min.
Use Rest Room	11 Min.
Dispose of Waste	5 Min.
Dispose of Sewage	1 Min.

AVERAGE 15 Minutes

L.E. Foote  
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September 27, 1971

<u>DAY</u>	<u>VEHICLES</u>	<u>VEHICLES ON MAINLINE</u>	<u>% STOPPING</u>
Thursday	55	2883	1.9
Friday	46	3161	1.5
Saturday	64	3492	1.8
Sunday	30	3527	0.9
Monday	<u>43</u>	<u>3043</u>	<u>1.4</u>
TOTALS	238	16,106	1.5%

TIME OF ENTRY

10 A.M. - 11 A.M.	33
11 A.M. - Noon	36
Noon - 1 P.M.	42
1 P.M. - 2 P.M.	31
2 P.M. - 3 P.M.	21
3 P.M. - 4 P.M.	22
4 P.M. - 5 P.M.	25
5 P.M. - 6 P.M.	<u>28</u>
TOTAL VEHICLES	238

VEHICLES ENTERING

Passenger cars pulling no trailer	65%
Vehicles pulling a trailer	18%
Single Unit Trucks	13%
Pickup Campers	1.6%
Other motor vehicles	1.2%
Buses	0.8%
Semi-trucks	0.4%

*Stan Paulson*  
Stan Paulson  
Senior Highway Technician

SP:llm