July 15, 1997

To: Charles Siggerud, Division Engineer Metro Division<br>From: Carol R. Braun<br>Safety Rest Area Program Manager

Subject: Annual Safety Rest Area Usage Survey - 1997
St. Croix T.I.C. and Safety Rest Area, I-94, westbound, CS 8280
The Site Development Unit has conducted annual rest area usage surveys since 1969, at selected locations, to continually review and evaluate rest area design criteria, and evaluate the level of services and facilities provided for the motorist. The St. Croix T.I.C. and Rest Area was selected for the 1997 usage survey. The survey is directed at gathering specific data on motorist use of this rest area and documenting motorist use of the facility and site elements. The resultant information provides specific usage data used to project facility capacity needs and design element selection for future rest area buildings, sewer and water systems, parking areas and site furnishings. In addition, site specific issues that will be investigated at this site this summer are: site security, personal and property; truck parking demand; travel and tourism issues; and parking lot capacity and design concerns.

The usage survey will occur over a five day period, Thursday through Monday: August 14 thru August 18, 1997, 9:00a to 5:00p

The safety rest area usage survey will require six people each day to classify mainline traffic and distribute and collect survey questionnaire forms. Through an inquiry to Metro maintenance staff we verified the site selection and that the Metro Division would provide two staff persons each of the five survey days. Carl Hoffstedt, Metro Division has identified two student workers that will be available to assist us with this survey. We are intending that Design Services would provide the remaining persons. Rescheduling, overtime, or comp-time may be required to meet Division staffing needs for this survey. In addition, 24 hour roadway automatic traffic recorders and traffic signing will be required at the site during the survey period. The Site Development Unit will coordinate traffic recorder and signing requests with the appropriate Division staff.

Thank you for Division assistance in conducting this customer survey. Don Obernolte of my staff will coordinate this survey. Please contact him at 282-9954 if you have any questions.
cc: D. Ekern, MS 120
H. Nemec, MS 686
G. Thompson, Metro, Waters Edge
C. Hoffstedt, Metro, Waters Edge

File name: \dataltextldataltextlusagesurvidist.mem
G. Rohrbach, MS 675
J. Reierson, MS 686
J. Koivisto, Metro, Waters Edge

## SUMMARY OF COLLECTED DATA

Date of Survey: August 14 through 18, 1997
Time of survey: $\quad 9: 00 \mathrm{am}$ to $5: 00 \mathrm{pm}$
Weather on site: Partly cloudy to sunny; light rain
Total I-94 mainline vehicles traveling East bound: 74,904
I-94 mainline vehicles traveling East bound passing safety rest area without entering: 70,862
Vehicles traveling East bound entering safety rest area: 4,042
Percent of I-94 mainline vehicles stopping at safety rest area: $5.39 \%$
Percent of out-of-state vehicles stopping at safety rest area: $\quad 26.45 \%$
Percent of in-state vehicles stopping at safety rest area: $\quad 73.55 \%$
Age distribution of people using the safety rest area:

|  | All People Entering <br> Safety Rest Area | Percent |
| :--- | :---: | :---: |
|  | 2,041 |  |
| Senior Adults (over 60) | 6,244 | 61.76 |
| Adults (16-59) | $\underline{1.825}$ | $\underline{18.05}$ |
| Children (under 16) | 10,110 | $100.00 \%$ |

Average number of people per vehicle: 2.68
Average length of stay in safety rest area: $\quad 17.15$ minutes (All Vehicles)
16.30 minutes (Standard Vehicles)
20.56 minutes (Oversized \& Commercial Vehicles)

Number of vehicles 9:00 am to 5:00 pm

| Date | Day | Vehicles <br> Entering <br> Rest Area | Vehicles Not Entering Rest Area | Daily One way Traffic Totals | Average <br> Percent Stopping at Rest Area |
| :---: | :---: | :---: | :---: | :---: | :---: |
| August 14 | Thurs. | 675 | 12,771 | 13,446 | $5.02 \%$ |
| August 15 | Fri. | 1,004 | 15,098 | 16,102 | $6.23 \%$ |
| August 16 | Sat. | 836 | 14,204 | 15,040 | $5.55 \%$ |
| August 17 | Sun. | 799 | 17,374 | 18,173 | $4.39 \%$ |
| August 18 | Mon. | 728 | 11.415 | 12.143 | 5.99\% |
| Total (surv | rned) | 4,042 | 70,862 | 74,904 | $5.39 \%$ |

## Hourly volume of vehicles entering Safety Rest Area

| Time |  | Thursday | Friday | Saturday | Sundav | Monday | Total | Percent |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9:00 | 10:00 | 76 | 102 | 88 | 59 | 102 | 427 | 10.58\% |
| 10:00 | - 11:00 | 108 | 116 | 139 | 87 | 92 | 542 | 13.44 |
| 11:00 | - 12:00 | 26 | 122 | 115 | 99 | 94 | 456 | 11.31 |
| 12:00 | - 1:00 | 90 | 140 | 113 | 105 | 83 | 531 | 13.17 |
| 1:00 | - 2:00 | 110 | 137 | 95 | 96 | 86 | 524 | 13.00 |
| 2:00 | - 3:00 | 92 | 133 | 115 | 126 | 96 | 562 | 13.94 |
| 3:00 | - 4:00 | 84 | 140 | 99 | 124 | 96 | 543 | 13.47 |
| 4:00 | - 5:00 | $\underline{88}$ | 108 | 72 | 101 | 78 | 447 | $\underline{11.09}$ |
|  | tals | 674 | 998 | 836 | 797 | 727 | 4,032 | 100.00\% |

NOTE: Total does not equal 4,042 for 'Vehicles Entering Safety Rest Area' due to recording errors on 'Time In' for 10 vehicles.

Type of vehicle entering Safety Rest Area

|  | Vehicle Total | Average <br> Length of Stay -In Minutes | Total Number of People | (A) | (B) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Standard Vehicles |  |  |  |  |  |
| Cars | 1,903 | 16.54 | 4,325 | 48.25 \% | $4.59 \%$ |
| Pick-up or van | 1,219 | 15.87 | 3,754 | 30.91 | 4.73 |
| Other - Motorcycle | $\underline{29}$ | 18.37 | 52 | 0.74 | 8.03 |
| Standard (sub total) | 3,151 | 16.30 |  |  |  |
| Oversize Vehicles |  |  |  |  |  |
| Pick-up - van w/ rec. trailer | 88 | 25.36 | 218 | 2.23 | 11.21 |
| Recreational vehicles | 84 | 22.23 | 212 | 2.13 | 24.07 |
| Pick-up - van w/ other | 36 | 15.75 | 261 | 0.91 | 5.76 |
| Car w/recreational trailer | 9 | 21.22 | 24 | 0.23 | 8.33 |
| Car w/ other trailer | 8 | 20.25 | 29 | 0.20 | 7.77 |
| Commercial Vehicles |  |  |  |  |  |
| Semi-tractor trailer trucks | 507 | 20.14 | 823 | 12.85 | 10.19 |
| Commercial trucks | 50 | 17.22 | 126 | 1.27 | 4.77 |
| Buses | 11 | $\underline{19.54}$ | $\underline{126}$ | 0.28 | 6.51 |
| Oversize \& Commercial (sub total) | 793 | 20.56 |  |  |  |
| Total | 3,944 | 17.15 | 9,950 | $100.00 \%$ |  |

(A) Percentage of total number of vehicles using the safety rest area
(B) Percentage of vehicles that stopped in the safety rest area, out of the total number of mainline vehicles of the same type both entering and passing the safety rest area.
Note: Vehicle total does not equal 4,042 due to recording error for 98 vehicle types. Number of people does not equal 10,110 due to recording error for vehicle type.

## Question 1: Number of people in your vehicle?

|  | All People Entering <br> Safety Rest Area |  |
| :--- | :---: | :---: |
|  | 2,041 | Percent |
| Senior Adults (over 60) | $20.19 \%$ |  |
| Adults (16-59) | 6,244 | 61.76 |
| Children (under 16) | $\underline{1.825}$ | $\underline{18.05}$ |
| Total | 10,110 | $100.00 \%$ |

Average number of people per vehicle: 2.68
\% Responding:

Question 2: When traveling how far do you prefer to travel between stops? (Check one)

|  | All Vehicles |  | Standard Vehicles |  | Oversize Vehicles |  | Commercial Vehicles |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Percent | Total | Percent | Total | Percent | Total | Percent |
| 1 hour | 107 | 2.90 | 95 | 3.23 | 4 | 1.86 | 8 | 1.53 |
| $1-2$ hours | 684 | 18.52 | 611 | 20.68 | 35 | 16.20 | 38 | 7.25 |
| 2-2 $1 / 2$ hours | 1,051 | 28.45 | 907 | 30.70 | 77 | 35.65 | 67 | 12.79 |
| $21 / 2-3$ hours | 772 | 20.90 | 637 | 21.56 | 42 | 19.44 | 93 | 17.75 |
| 3-4 hours | 669 | 18.11 | 470 | 15.91 | 28 | 12.96 | 171 | 32.63 |
| 4 or more hours | 411 | 11.13 | 234 | 7.92 | 30 | 13.89 | 147 | 28.05 |
| Total | 3,694 | 100.01 | 2,954 | 100.00 | 216 | 100.00 | 524 | 100.00 |

$\%$ Responding $91.39 \% \quad 92.00 \% \quad 90.32 \%$

Question 3: What is your reason for traveling today? (Pick only one)

|  | All Vehicles |  | Standard Vehicles |  | Oversize Vehicles |  | Commercial Vehicles |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Percent | Total | Percent | Total | Percent | Total | Percent |
| Vacation | 506 | 13.69 | 426 | 14.42 | 33 | 15.28 | 47 | 8.94 |
| Business | 495 | 13.39 | 24 | 0.81 | 12 | 5.56 | 459 | 87.26 |
| Commercial | 2,051 | 55.49 | 1,889 | 63.95 | 153 | 70.83 | 9 | 1.71 |
| Other | 644 | $\underline{17.43}$ | 615 | $\underline{20.82}$ | 18 | $\underline{8.33}$ | 11 | $\underline{2.09}$ |
| Total | 3,696 | 100.00 | 2,954 | 100.00 | 216 | 100.00 | 526 | 100.00 |

[^0]Question 4: How far will you travel today?

|  | All Vehicles | Standard Vehicles | Oversized Vehicles | Commercia Vehicles |
| :---: | :---: | :---: | :---: | :---: |
| Miles |  |  |  |  |
| Average | 323.56 | 299.69 | 333.11 | 454.82 |
| Median | 300.00 | 275.00 | 300.00 | 480.00 |
| \% Responding | 88.89\% | 89.60\% | $91.27 \%$ | 88.04\% |

## Question 5: How far will you travel during this trip?

|  | All Vehicles | Standard <br> Vehicles | Oversized <br> Vehicles | Commercial <br> Vehicles |
| :--- | ---: | ---: | ---: | ---: |
| Miles $1,050.99$ 951.76 $1,960.64$ $1,242.88$ <br> Average 550.00 500.00 $1,000.00$ 740.00 <br> Median   $88.51 \%$ $89.52 \%$ |  |  |  |  |
| \% Responding | $87.68 \%$ | $86.31 \%$ |  |  |

Question 6: Please select your main reason(s) for stopping at this rest area. (Check all that apply)

|  | All Vehicles |  | Standard Vehicles |  | Oversize Vehicles |  | Commercial Vehicles |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Percent | Total | Percent | Total | Percent | Total | Percent |
| Restroom | 3,030 | 82.70 | 2,406 | 82.06 | 164 | 78.10 | 460 | 88.12 |
| Motorist Safety Value/Use |  |  |  |  |  |  |  |  |
| Rest/Relax | 795 | 21.70 | 615 | 20.98 | 73 | 34.76 | 107 | 20.50 |
| Check vehicle | 368 | 10.04 | 129 | 4.40 | 48 | 22.86 | 191 | 36.59 |
| Switch Drivers | 289 | 7.89 | 254 | 8.66 | 21 | 10.00 | 14 | 2.68 |
| Sleep | 113 | 3.08 | 47 | 1.60 | 7 | 3.33 | 59 | 11.30 |
| Sub Total | 1,565 | 42.71 | 1,045 | 35.64 | 149 | 70.95 | 371 | 71.07 |
| Travel information | 1,392 | 37.99 | 1,236 | 42.16 | 86 | 40.95 | 70 | 13.41 |
| Telephone | 546 | 14.90 | 292 | 9.96 | 26 | 12.38 | 228 | 43.68 |
| Vending | 326 | 8.90 | 228 | 7.78 | 16 | 7.62 | 82 | 15.71 |
| Water | 282 | 7.70 | 227 | 7.74 | 15 | 7.14 | 40 | 7.66 |
| Other | 167 | 4.56 | 137 | 4.67 | 18 | 8.57 | 12 | 2.30 |
| Eat/Picnic | 148 | 4.04 | 108 | 3.68 | 21 | 10.00 | 19 | 3.64 |
| \% Responding: | 90.6 |  | 91.3 |  | 91.7 | \% | 90.4 |  |

Note: Adds to more than $100 \%$ due to multiple mentions.

Question 7: Which of the following facilities were used by your party? (Check all that apply)

|  | All Vehicles |  | Standard Vehicles |  | Oversize Vehicles |  | Commercial Vehicles |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Percent | Total | Percent | Total | Percent | Total | Percent |
| Restroom | 3,281 | 91.04 | 2,637 | 91.15 | 175 | 85.37 | 469 | 92.69 |
| Travel Information | 1,271 | 35.27 | 1,142 | 39.47 | 84 | 40.98 | 45 | 8.89 |
| Map Displays | 1,094 | 30.36 | 956 | 33.05 | 71 | 34.63 | 67 | 13.24 |
| Trash Receptacles | 808 | 22.42 | 652 | 22.54 | 44 | 21.46 | 112 | 22.13 |
| Telephone | 616 | 17.09 | 340 | 11.75 | 26 | 12.68 | 250 | 49.41 |
| Vending | 527 | 14.62 | 400 | 13.83 | 21 | 10.24 | 106 | 20.95 |
| Recycle Receptacles | 226 | 6.27 | 191 | 6.60 | 20 | 9.76 | 15 | 2.96 |
| Outside Water | 188 | 5.22 | 159 | 5.50 | 7 | 3.41 | 22 | 4.35 |
| Picnic Table | 185 | 5.13 | 169 | 5.84 | 9 | 4.39 | 7 | 1.38 |
| Bulletin Board | 150 | 4.16 | 130 | 4.49 | 6 | 2.93 | 14 | 2.77 |
| Other | 76 | 2.11 | 63 | 2.18 | 5 | 2.44 | 8 | 1.58 |
| Play Equipment | 69 | 1.91 | 56 | 1.94 | 6 | 2.93 | 7 | 1.38 |
| Picnic Shelters | 54 | 1.50 | 48 | 1.66 | 2 | 0.98 | 4 | 0.79 |
| Trails | 50 | 1.39 | 42 | 1.45 | 2 | 0.98 | 6 | 1.19 |
| Lighted commercial | 24 | 0.67 | 19 | 0.66 | 2 | 0.98 | 3 | 0.59 |
| \% Responding | 89.1 |  | 90.1 |  | 89.5 |  | 87.6 |  |

Note: Adds to more than $100 \%$ due to multiple mentions.

Question 8: When traveling, which type of facility do you prefer to use? (Pick only one)

|  | All Vehicles |  | Standard Vehicles |  | Oversize Vehicles |  | Commercial Vehicles |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Percent | Total | Percent | Total | Percent | Total | Percent |
| Safety Rest Area | 1,682 | 46.37 | 1,440 | 49.67 | 93 | 43.66 | 149 | 28.93 |
| Combined Safety Rest Areas \& Private |  |  |  |  |  |  |  |  |
| Commercial facilities | 1,456 | 40.14 | 1,103 | 38.05 | 102 | 47.89 | 251 | 48.74 |
| Private/Comm'l facilities | 438 | 12.08 | 311 | 10.73 | 16 | 7.51 | 111 | 21.55 |
| Public Park | 51 | 1.41 | 45 | 1.55 | $\underline{2}$ | 0.94 | 4 | $\underline{0.78}$ |
| Total | 3,627 | 100.00 | 2,899 | 100.00 | 213 | 100.00 | 515 | 100.00 |
| \% Responding | 89.7 |  |  | 8 \% |  | $1 \%$ |  | $5 \%$ |

Question 9: Which of the following business types would you prefer at Minnesota's rest areas? (Check all that apply)

|  | All Vehicles |
| :--- | ---: | :--- | :--- | :--- | :--- | :--- | :--- | ---: | :--- | | Standard <br> Vehicles |
| :---: |

Question 10: If you were fatigued, needed to change driver or experiencing potential mechanical problems, where would you stop? (Pick only one for each situation)

Fatigued

|  | All Vehicles |  | Standard Vehicles |  | Oversize Vehicles |  | Commercial Vehicles |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Percent | Total | Percent | Total | Percent | Total | Percent |
| Interchange | 178 | 5.69 | 132 | 5.34 | 8 | 4.24 | 38 | 8.09 |
| Highway shoulder | 144 | 4.61 | 128 | 5.18 | 6 | 3.17 | 10 | 2.13 |
| Commercial Facility | 490 | 15.66 | 342 | 13.85 | 25 | 13.23 | 123 | 26.23 |
| Rest Area | 2,076 | 66.37 | 1,656 | 67.04 | 141 | 74.60 | 279 | 59.49 |
| Continue Driving | 38 | 1.21 | 31 | 1.26 | 2 | 1.06 | 5 | 1.07 |
| Next Town | $\underline{202}$ | $\underline{6.46}$ | 181 | 7.33 | 1 | 3.70 | 14 | $\underline{2.99}$ |
| Total | 3,128 | 100.00 | 2,470 | 100.00 | 189 | 100.00 | 469 | 100.00 |
| \% Responding | 77.3 |  | 76.9 |  | 82.5 |  | 81.2 | \% |

Question 10: If you were fatigued, needed to change driver or experiencing potential mechanical problems, where would you stop? (Pick only one for each situation)

Change Drivers

|  | All Vehicles |  | Standard Vehicles |  | Oversize Vehicles |  | Commercial Vehicles |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Percent | Total | Percent | Total | Percent | Total | Percent |
| Rest Area | 1,671 | 56.34 | 1,370 | 56.08 | 96 | 60.00 | 205 | 56.47 |
| Interchange | 387 | 13.05 | 328 | 13.42 | 22 | 13.74 | 37 | 10.19 |
| Highway shoulder | 356 | 12.00 | 325 | 13.30 | 19 | 11.88 | 12 | 3.31 |
| Commercial Facility | 353 | 11.90 | 254 | 10.40 | 16 | 10.00 | 83 | 22.87 |
| Next Town | 149 | 5.02 | 128 | 5.24 | 5 | 3.13 | 16 | 4.41 |
| Continue Driving | 50 | 1.69 | 38 | 1.56 | $\underline{2}$ | 1.25 | 10 | $\underline{2.75}$ |
| Total | 2,966 | 100.00 | 2,443 | 100.00 | 160 | 100.00 | 363 | 100.00 |
| \% Responding | 73.3 |  | 76.0 |  | 69.87 |  | 62.91 |  |

Question 10: If you were fatigued, needed to change driver or experiencing potential mechanical problems, where would you stop? (Pick only one for each situation)

Mechanical Problem

|  | All Vehicles |  | Standard Vehicles |  | Oversize <br> Vehicles |  | Commercial Vehicles |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Percent | Total | Percent | Total | Percent | Total | Percent |
| Commercial Facility | 861 | 28.76 | 595 | 25.00 | 61 | 34.46 | 205 | 46.91 |
| Next Town | 697 | 23.28 | 612 | 25.71 | 36 | 20.34 | 49 | 11.21 |
| Highway shoulder | 659 | 22.01 | 562 | 23.61 | 34 | 19.21 | 63 | 14.42 |
| Interchange | 437 | 14.59 | 344 | 14.46 | 25 | 14.13 | 68 | 15.56 |
| Rest Area | 309 | 10.32 | 239 | 10.04 | 20 | 11.30 | 50 | 11.44 |
| Continue Driving | 31 | $\underline{1.04}$ | 28 | 1.18 | 1 | $\underline{0.56}$ | $\underline{2}$ | $\underline{0.46}$ |
| Total | 2,994 | 100.00 | 2,380 | 100.00 | 177 | 100.00 | 437 | 100.00 |
| \% Responding | 74.0 |  | 74.1 |  | 77.2 |  | 75.7 | $4 \%$ |

Question 10: If you were fatigued, needed to change driver or experiencing potential mechanical problems, where would you stop? (Pick only one for each situation)

Need Exercise

|  | All Vehicles |  | Standard Vehicles |  | Oversize Vehicles |  | Commercial Vehicles |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Percent | Total | Percent | Total | Percent | Total | Percent |
| Rest Area | 2,300 | 82.29 | 1,861 | 83.34 | 141 | 83.43 | 298 | 75.83 |
| Commercial Facility | 194 | 6.94 | 132 | 5.91 | 11 | 6.51 | 51 | 12.98 |
| Continue Driving | 130 | 4.65 | 108 | 4.84 | 7 | 4.14 | 15 | 3.82 |
| Next Town | 99 | 3.54 | 79 | 3.54 | 2 | 1.18 | 18 | 4.58 |
| Interchange | 52 | 1.86 | 36 | 1.61 | 7 | 4.15 | 9 | 2.28 |
| Highway shoulder | $\underline{20}$ | $\underline{0.72}$ | 17 | 0.76 | 1 | 0.59 | $\underline{2}$ | 0.51 |
| Total | 2,795 | 100.00 | 2,233 | 100.00 | 169 | 100.00 | 393 | 100.00 |
| \% Responding | 69.1 |  | 69.5 | \% |  |  | 68.1 | \% |

Question 11: During the past twelve months have you contacted the Minnesota Office of Tourism for "Explore Minnesota" travel planning information, other than at a Minnesota rest area?

|  | All Vehicles |  | Standard Vehicles |  | Oversize Vehicles |  | Commercial Vehicles |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Percent | Total | Percent | Total | Percent | Total | Percent |
| Yes | 444 | 12.42 | 373 | 13.06 | 31 | 14.83 | 40 | 7.86 |
| No | 3,131 | 87.58 | $\underline{2.484}$ | 86.94 | 178 | $\underline{85.17}$ | 469 | $\underline{92.14}$ |
| Total | 3,575 | 100.00 | 2,857 | 100.00 | 209 | 100.00 | 509 | 100.00 |

\% Responding
$88.42 \%$
$88.98 \%$
$91.27 \%$
$88.21 \%$

Question 12: If the travel information counter was very busy of if the counter was closed, how would you prefer to get tourism information? (Mark all you prefer)

|  | All Vehicles |  | Standard Vehicles |  | Oversize Vehicles |  | Commercial Vehicles |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Percent | Total | Percent | Total | Percent | Total | Percent |
| Bulletin Board or Display | 1,643 | 49.94 | 1,334 | 50.43 | 95 | 47.50 | 214 | 48.09 |
| Conversation with others here | 345 | 10.49 | 244 | 9.22 | 35 | 17.50 | 66 | 14.83 |
| Phone call to a Minnesota Office of Tourism counselor | 453 | 13.77 | 337 | 12.74 | 32 | 16.00 | 84 | 18.88 |
| Self service brochure rack | 2,094 | 63.65 | 1,729 | 65.37 | 123 | 61.50 | 242 | 54.38 |
| Interactive computer Kiosk | 594 | 18.05 | 497 | 18.79 | 34 | 17.00 | 63 | 14.16 |
| Next gas station or convenience store | 552 | 16.78 | 454 | 17.16 | 28 | 14.00 | 70 | 15.73 |
| Other | 72 | 2.19 | 50 | 1.89 | 6 | 3.00 | 16 | 3.60 |
| \% Responding |  | $8 \%$ | 82.37 | $7 \%$ | 87.3 | $4 \%$ | 77.1 | $2 \%$ |

Question 13: How safe do you feel using Minnesota rest areas on Interstate highways? (Please rate)

|  | All Vehicles |  | Standard Vehicles |  | Oversize Vehicles |  | Commercial Vehicles |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Percent | Total | Percent | Total | Percent | Total | Percent |
| Not Safe at All | 76 | 2.13 | 55 | 1.92 | 3 | 1.49 | 18 | 3.47 |
| Somewhat Unsafe | 82 | 2.30 | 69 | 2.42 | 4 | 1.99 | 9 | 1.74 |
| Neither Safe/Unsafe | 328 | 9.18 | 267 | 9.36 | 13 | 6.47 | 48 | 9.27 |
| Somewhat Safe | 851 | 23.82 | 700 | 24.54 | 46 | 22.89 | 105 | 20.27 |
| Extremely Safe | $\underline{2,235}$ | $\underline{62.57}$ | 1,762 | $\underline{61.76}$ | 135 | $\underline{67.16}$ | 338 | $\underline{65.25}$ |
| Total | 3,572 | 100.00 | 2,853 | 100.00 | 201 | 100.00 | 518 | 100.00 |
| \% Responding | 88.3 |  | 88.8 |  | 87.7 |  | 89.7 |  |

Question 14: How safe do you feel using Minnesota rest areas on Interstate highways after dark?

|  | All Vehicles |  | Standard Vehicles |  | Oversize Vehicles |  | Commercial Vehicles |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Percent | Total | Percent | Total | Percent | Total | Percent |
| Not Safe at All | 277 | 8.12 | 238 | 8.79 | 11 | 5.61 | 28 | 5.49 |
| Somewhat Unsafe | 380 | 11.13 | 345 | 12.74 | 14 | 7.14 | 21 | 4.13 |
| Neither Safe/Unsafe | 697 | 20.42 | 581 | 21.45 | 39 | 19.90 | 77 | 15.13 |
| Somewhat Safe | 849 | 24.88 | 678 | 25.04 | 52 | 26.53 | 119 | 23.38 |
| Extremely Safe | $\underline{1,210}$ | $\underline{35.45}$ | 866 | 31.98 | 80 | $\underline{40.82}$ | 264 | $\underline{51.87}$ |
| Total | 3,413 | 100.00 | 2,708 | 100.00 | 196 | 100.00 | 509 | 100.00 |
| \% Responding | 84.4 |  | 84.3 |  | 85.5 |  | 88.2 |  |

## St. Croix Safety Rest Area

Question 15: If you are a Commercial Truck driver, are you able to find off road parking locations when you need them for resting and stopping?

|  | All Vehicles |  | Commercial Vehicles |  | Semi Vehicles |  | Bus Vehicles |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Percent | Total | Percent | Total | Percent | Total | Percent |
| Yes | 293 | 60.29 | 29 | 93.55 | 262 | 57.96 | 2 | 66.67 |
| No | 193 | 39.71 | $\underline{2}$ | 6.45 | 190 | 42.04 | 1 | $\underline{33.33}$ |
| Total | 486 | 100.00 | 31 | 100.00 | 452 | 100.00 | 3 | 100.00 |
| \% Responding | 84.0 |  | 62.0 |  | 87.60 |  | 27.2 | $7 \%$ |

## ST. CROIX TRAVEL INFORMATION CENTER AND SAFETY REST AREA, I-94 USER SURVEY, AUGUST 14-18, 1997

Day of the week: Thu. Fri. Sat. Sun. Mon.

Time in: $\qquad$ Lic. State: MN
(specify other)
Vehicle type: $\begin{array}{lllllllllll}1 & 2 & 3 & 10 & 11 & 12 & 13 & 20 & 30 & 31 & 40\end{array}$
Time-out: $\qquad$ -

Dear Motorist: The Minnesota Department of Transportation, (Mn/DOT), is attempting to determine how Safety Rest Areas and Travel Information Centers along highways are utilized and what facilities should be provided to satisfy your needs. Only you can supply the information we need to plan future facilities. Please answer the following questions.

1. Number of people in your vehicle? senior adults (over 59) adults (16-59) children (under 16) Male
Female $\qquad$
ong do you prefer to travel between stops? (Check one)
2. When traveling how long do you prefer to travel between stops? (Check one)

| 1 hour | $1-2$ hours | $2-21 / 2$ hours |
| :---: | :---: | :---: |
| $1 / 2-3$ hours | $3-4$ hours |  |

$\qquad$
$\qquad$ 4 or more hours
3. What is your reason for traveling today? (pick only one, write letter here): $\qquad$
A. business travel
C. pleasure travel (vacation, recreation, etc.)
B. commercial driver (truck, bus, etc.)
D. other personal travel (other than pleasure travel)
4. How far will you travel today? $\qquad$ (total miles)
5. How far will you travel during this trip? $\qquad$ (total trip miles)
6. Please select your main reason(s) for stopping at this rest area. (check all that apply)
restrooms (a)
rest/relax (d)
water (e)
eat/pionic (g)
vending (b)
water (e)

- switch drivers (h)
$\square$ telephone (i)
$\square$ travel information (j)
other (please specify)
$\qquad$ (k)

7. Which of the following facilities were used by your party? (check all that apply)
$\square$ restroom (a) $\square$ map displays ( $f$ )
picnic table (b)
$\square$ travel information center (g)
$\square$ vending ( $k$ )
$\square$ recycle receptacles $(\mathrm{h})$
$\square$ trash receptacles (I)
$\square$ telephone (c)
play equipment (d)
bulletin board displays (i)
trails (m)
$\square$ picnic shelters (e)

- outside water (j)
lighted commercial advertising display (n)
other (please specify)

8. When traveling, which type of facility do you prefer to use? (pick only one, write letter here): $\qquad$
A. safety rest area
C. private/commercial facilities (such as restaurant/gas station/convenience store)
B. public park
D. combined safety rest areas \& private/commercial facilities
9. Which of the following business types would you prefer at Minnesota's rest areas? (check all that apply)
$\square$ none (a) a gas and vehicle service (e)
vending machines (b)
$\square$ restaurant (sit down) (d)
other (please specify) $\qquad$ (f)
10. If you were fatigued, needed to change drivers or experiencing potential mechanical problems, where would you stop? (pick only one for each situation) fatigued change drivers mechanical problem need exercise
A. interchange
B. highway shoulder
C. commercial facility
D. rest area
E. continue driving
F. next town
G. other (please specify) $\qquad$ $\square$

 $\square$
$\square$
$\square$
$\square$
$\square$
$\square$
11. During the past twelve months have you contacted the Minnesota Office of Tourism for
"Explore Minnesota" travel planning information, other than at a Minnesota rest area?

- Yes

No
12. If the travel information counter was very busy or if the counter was closed, how would you prefer to get tourism information? (Mark all you prefer)
bulletin board or display (a)
conversation with other travelers who stop here (b)
phone call to a Minnesota Office of Tourism counselor (c)
$\square$ interactive computer kiosk (e)
next gas station or convenience store (f) other (please specify) $\qquad$ (g)
13. Not At All Satremely 13. How safe do you feel using Minnesota rest areas on Interstate highways? (Please rate) $\begin{array}{lllllllllll}\text { Safe } & 1 & 2 & 3 & 4 & 5 & 6 & 7\end{array}$
14. How safe do you feel using Minnesota rest areas on Interstate highways after dark? $\begin{aligned} & 1 \\ & 2\end{aligned}$
15. If you are a Commercial Truck driver, are you able to find off road parking locations when you need them for resting and stopping?
$\square$ yes
Dno
Comments:

ST CROIX REST AREA USAGE SURVEY - THURSDAY, AUGUST 14, 1997


$$
10832.8
$$

$$
\begin{aligned}
& 754,24 \\
& 4241.5 \\
& 411 .
\end{aligned}
$$

$\qquad$

$$
1,
$$

AND

ST CROIX REST AREA USAGE SURVEY - FRIDAY, AUGUST 15, 1997
Daily Weather Condition:
$C C \in A x+\tan 10$
83


ST CROIX REST AREA USAGE SURVEY - SATURDAY, AUGUST 16, 1997
Daily Weather Condition:
Clear dry

** CHECK THE WATER METERS @ 9:00a $\qquad$ 10.8422 $5: 30$
AND @5:00p $\qquad$ 103521 , RECORD ON Dave Morisette's SHEET I $\# /=8 \%, \underline{2}$ $E F=i \frac{11}{}$

ST CROIX REST AREA USAGE SURVEY - SUNDAY, AUGUST 17, 1997


** CHECK THE WATER METERS @ $0.30 \mathrm{a} \frac{10,853.7}{754,24}$ AND @5:00p $\frac{10,858.3}{754.24} \quad$, RECORD ON Dave Morisette's SHEET I

ST CROIX REST AREA USAGE SURVEY - MONDAY, AUGUST 18, 1997


** check the water meters @ 9:00 $10,860.8$ and @ $5.00^{20}$ $\qquad$ 10,8664 , RECORD ON Dave Morisette's SHEETI 754.24 $754: 41$ $=18.2$

## Memo

Office of Technical Support
Office Tel: (612)282-9954
Site Development Unit
Design Services Section, Mail Stop 686
395 John Ireland Blvd.
St. Paul, Minnesota 55155-1899
August 20, 1997
To: Carol Braun
State Wide Rest Area Manager
From: Don Obernolte
Site Development Unit
coordinator R.A.U.S. 1997
Subject: 1997 Rest Area Usage Survey
St. Croix T.I.C.
Final Large Counts

Dates of Survey: 8/14/97-8/18/97
Hours of Survey: 9:00am thru 5:00pm
(5 days)
(40 hours)
A) Survey Forms Distributed $\quad \mathbf{4 , 2 8 7}$
[R-8/14: 600, F-8/15: 1000, Sa-8/16: 800, Su-8/17: 1200, M-8/18: 700]
(Forms Printed 5000, Forms Recycled 713)
B) Drive-thru vehicles 50
[R-8/14: 7, F-8/15: 9, Sa-8/16: 4, Su-8/17: 25, M-8/18: 5]
C) Rest Area Visiting Vehicles $\quad 4.337 \quad(\mathrm{~A}+\mathrm{B})$
D) Main Line WB Classified Vehicles

74,025
E) Total Vehicles

78,362 (C+D)
F) Staff Summary (on site)
C.O. - Technical Support 20 shifts @ 8 hours by 10 persons $=160$ hours

Metro District
Total 11 shifts @ 8 hours by 6 persons= 88 hours 31 shifts by 16 persons for 248 on site staff hours Rough Staff Cost 248 hours $\mathrm{x} \$ 20$ hour $=\$ 4960$

It was my sincere pleasure to have a role in the survey this year. Lacking analysis, but with a certain impression, it was nice to confirm that department staff are very solid people, and that the traveling public does reflect favorably upon your good work over the years.

Best regards, and good fortune with future undertakings. Thank you for the opportunity to be of service and to learn about our programs. I look forward to seeing analysis and having conclusions from the survey data.

| cc: | D.Ekern, MS120 | C. Hoffstedt, Metro W.E. | J. Rohrbach, MS675 |
| :--- | :--- | :--- | :--- |
|  | H. Nemec, MS686 | J. Reierson, MS686 |  |


[^0]:    \% Responding
    91.44 \%
    $92.00 \%$
    $94.32 \%$
    91.16 \%

