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**1997 TWIN CITIES AREA SURVEY:  
RESULTS AND TECHNICAL REPORT**

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I anticipate that the use of this data will justify the effort that was spent to collect the information.

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## TABLE OF CONTENTS

|  | <u>PAGE</u> |
|--|-------------|
| CHAPTER 1. METHODS AND PROCEDURES                                      | 1           |
| Overview   | 1           |
| Objectives   | 2           |
| Survey Topics and Participating Organizations                          | 2           |
| Sampling Design  | 4           |
| Interviewing   | 5           |
| Management of Data   | 7           |
| Evaluation of the Sample   | 8           |
| Sampling Error   | 12          |
| <br>CHAPTER 2. DEMOGRAPHIC PROFILE OF THE SAMPLE                       | <br>13      |
| <br>CHAPTER 3. INSTRUCTIONS FOR USING<br>THE QUESTIONNAIRE AND RESULTS | <br>21      |
| Objectives   | 21          |
| Interpreting the Questionnaire Results                                 | 21          |
| Variables Presented in Appendices                                      | 23          |
| Verbatim Responses   | 23          |
| Weighting of Data  | 23          |
| <br>CHAPTER 4. QUESTIONNAIRE AND RESULTS                               | <br>24      |
| A. Quality of Life   | 24          |
| B. Transportation  | 26          |
| C. Acceptable Behavior   | 28          |
| D. Government  | 28          |
| E. Environment   | 32          |
| F. Hennepin County Government  | 38          |
| G. Demographics  | 42          |
| <br>APPENDICES   |             |
| A. Frequency Counts for Open-Ended Responses                           | A-1         |
| B. Frequency Counts for Continuous Variables                           | B-1         |
| C. Definitions of Constructed Variables                                | C-1         |
| D. Frequency Counts for Administrative Variables                       | D-1         |
| E. Administrative Forms  | E-1         |

# 1997 TWIN CITIES AREA SURVEY

## CHAPTER 1

### METHODS AND PROCEDURES

#### OVERVIEW

The 1997 Twin Cities Area Survey (TCAS'97) was the fifteenth annual omnibus survey of adults, age 18 and over, who reside in the seven county Twin Cities metropolitan area. Data collection was conducted from November 1997 to February 1998 by the Minnesota Center for Survey Research at the University of Minnesota. TCAS is an "omnibus" survey, where individual organizations define and pay for those questions which are of special interest to them. The six topics in the survey were quality of life, transportation, acceptable behavior, government, environment, and Hennepin County government.

A total of 803 telephone interviews were completed for TCAS'97. The overall response rate was 65%. This compares reasonably well with other omnibus social surveys which generally have response rates of 70% to 75%.

The survey sample consisted of households selected randomly from all Twin Cities area telephone exchanges. Selection procedures guaranteed that every telephone household in the metropolitan area had an equal chance to be included in the survey, and that once the household was sampled every adult had an equal chance to be included.

Since the individuals who participated in TCAS'97 were randomly selected from the population of the Twin Cities metropolitan area, the survey results can be generalized to the entire Twin Cities area. These generalizations can be made either to households, using the data file weighted only by county, or to individuals, using the data file weighted by both county and number of adults as the source of the percentages. The questionnaire and results presented in Chapter 4 of this report are based on the computer data file weighted by both county and number of adults and all percentages presented there generalize to individuals.

There is a 95% chance or better that if all households in the Twin Cities metropolitan area were surveyed, the results would not differ from the TCAS'97 findings by more than 3.5 percentage points.

## OBJECTIVES

The Twin Cities Area Survey has four basic objectives. The first and most important of these is to get useful and technically sound information on the characteristics, attitudes, and behaviors of metropolitan area residents for researchers and public policy decision-makers. TCAS is an "omnibus" survey, where individual organizations define and pay for those questions which are of special interest to them. Such information is potentially relevant to a multitude of needs, including market analysis, needs assessment, project evaluation, and organizational planning.

The second objective is to develop an ongoing social monitoring capability for the Twin Cities metropolitan area. Because the survey has been an annual event since 1982, it provides the means to maintain an updated metropolitan area database and to monitor change in this database over the course of time.

The third objective is to provide students at the University of Minnesota with an opportunity to participate in a professional survey operation. This training experience greatly enhances the methodological skills of such students, which also enlarges and enriches the pool of social researchers ultimately available to other projects in the community.

The fourth objective is to develop and refine methods for conducting social surveys. The most advanced methods and techniques are utilized in MCSR surveys, but attention is given to explorations that improve upon existing research methods.

## SURVEY TOPICS AND PARTICIPATING ORGANIZATIONS

The six topics in the survey were quality of life, transportation, acceptable behavior, government, environment, and Hennepin County government.

- 1) **Quality of Life** asked questions about rating the Twin Cities area as a place to live, the most important problems facing people in the Twin Cities metropolitan area today, whether the quality of life in the Twin Cities area has changed over the past year or two, rating the Twin Cities area on twelve indicators of quality of life, such as employment opportunities and air and water quality, rating your neighborhood as a place to live, and whether you feel safe in your neighborhood. These questions were funded by the Metropolitan Council.
- 2) Questions about **Transportation** included the importance of a regional transit or bus system in maintaining a high quality of life, awareness that there are several publicly supported transit companies, the importance of service inter-connections between these transit companies, awareness and use of Metro Commuter Services and the Transit Information Center, and use of the regional public transit or bus system in the last twelve months. These questions were also funded by the Metropolitan Council.

- 3) The questions about **Acceptable Behavior** asked whether the following actions are EVER acceptable: for a parent to SPANK a child, for a parent to HIT a child other than spanking, for a man to hit his wife to make a point, for a man to verbally threaten or intimidate his wife to make a point, for kids in high school to hit each other in a fight, for people to hit each other at work, for a supervisor to verbally threaten or intimidate an employee at work, or for athletes to fight during a team competition. Funding for these questions was provided by the Ramsey County Department of Public Health.
- 4) Questions about **Government** asked about organizations that serve the Twin Cities metropolitan area: Metropolitan State University, the Metropolitan Council, the Regional Data Center, Twin Cities area regional parks, and the Metropolitan Council Environmental Services Division. The first set of questions in this section was funded by Metropolitan State University; all others were funded by the Metropolitan Council.

First, people were asked if they had ever heard of Metropolitan State University, and if they had, whether their overall impression was favorable or unfavorable.

Second, they were asked if they had heard of the Metropolitan Council, whether they were aware of the Metropolitan Council's involvement in nine specified regional services, and their evaluation of the job the Council is doing in addressing and resolving regional issues.

The next questions asked about awareness of the Regional Data Center, access to information on the Internet, ways that the Internet is used, and use of regional parks in the Twin Cities metro area.

Finally, people were asked if they have heard of the Metropolitan Council Environmental Services Division, which used to be called the Metro Waste Control Commission. Those who had heard of this Division were asked to rate their performance in treating wastewater, in getting industrial users to control wastewater pollution, in planning for water resources for the future, and in protecting the environment in the metropolitan area.

- 5) **Environment** questions asked about satisfaction with the quality of drinking water and the quality of the water in metropolitan area lakes and rivers, awareness of where water goes when it enters the storm drain or when it goes down the sink or toilet, awareness of events that relate to water quality and the environment, how information on water quality and environmental issues can best be presented, which of five specified activities related to water quality and environmental issues should be the most important for regional government, whether residential sewer bills should set aside money for activities to improve water quality, which of three specified actions is most important as a way to improve water quality in the metropolitan area, whether a water pollution charge should be added to the cost of lawn fertilizers, how important it is for people to consider the effect on water quality when they are making purchases or disposing of products, and questions about the treatment of wastewater. These questions were funded by the Metropolitan Council Environmental Services Division.

- 6) Hennepin County Government questions asked whether the respondent was aware that Hennepin County is the government unit that provides twelve specified services, where they most often get their information about the county's government programs and services, the manner in which they would prefer to learn more about services that Hennepin County provides to county residents, whether they have ever seen the Hennepin County Board on cable TV, whether anyone in the household used closed captioning when watching TV, and the likelihood of the respondent using the Internet to get information about Hennepin County or their County Commissioner.

Respondents were then asked for their level of agreement with six statements about county government. The last questions in the section asked whether Hennepin County should build a new jail for people who have been arrested and are awaiting court appearances or whether the County should develop other alternatives, and willingness to pay additional taxes to pay for the cost of BUILDING a new jail. These questions were asked of Hennepin County residents only and were funded by Hennepin County Public Affairs.

In addition, all metropolitan area respondents were asked if they have ever seen the show called "A Public Health Journal" on cable TV. This question was funded by the Hennepin County Community Health Department.

#### SAMPLING DESIGN

The survey sample consisted of households selected randomly from all Twin Cities area telephone exchanges. The random digit telephone sample was acquired from Survey Sampling, Inc. of Fairfield, Connecticut. Known business telephone numbers were excluded from this sample. In addition, the selected random digit telephone numbers were screened for disconnects, by using a computerized dialing protocol which does not make the telephone ring, but which can detect a unique dial tone that is emitted by some disconnected numbers. Evidence of the integrity of the sampling frame and the survey procedures is given in a later section of this chapter (Evaluation of the Sample).

Selection of respondents occurred in two stages: first a household was randomly selected, and then a person was randomly selected for interviewing from within the household. The selection of a person within the household was done using the Most Recent Birthday Selection Method, a sample of which appears in the introduction (See Appendix E: Administrative Forms). These selection procedures guaranteed that every telephone household in the metropolitan area had an equal chance to be included in the survey, and that once the household was sampled every adult had an equal chance to be included.



## INTERVIEWING

The 1997 Twin Cities Area Survey was the fifteenth annual omnibus survey of adults, age 18 and over, who reside in the seven county Twin Cities metropolitan area. Data collection was conducted from November 17, 1997 to February 12, 1998 by the Minnesota Center for Survey Research (MCSR) at the University of Minnesota. Computer Assisted Telephone Interviewing (CATI) was used for this project.

Interviewers were students at the University of Minnesota. They were trained for this task and were supervised in their work.

Training of Interviewers

Training of interviewers was conducted in three phases. In the first phase, new interviewers were required to attend an initial training session during which they were given basic instruction in survey interviewing. The second phase occurred when interviewers attended a training session which covered survey procedures and policies for this project and provided hands-on experience with the CATI survey instrument. For the final phase of training, before beginning the actual telephone survey, each interviewer had a practice session with a supervisor or other MCSR staff member, followed by a fully-monitored pilot interview with a randomly selected respondent.

All interviewers were required to sign a statement of professional ethics, which contained explicit guidelines about appropriate interviewing behavior and the confidentiality of all respondent information. A copy of this statement is included in Appendix E.

Twenty six interviewers collected data for this survey. Twenty five of them had worked on at least one other telephone survey at MCSR before their involvement in this project.

Computer Assisted Telephone Interviews

This project used the Ci3 System for computer interviewing from Sawtooth Software. Data were available immediately using CATI, with minimal editing.

To conduct interviews using CATI, each interviewer uses a microcomputer, which displays questions on the computer screen in the proper order. The interviewer wears a headset and has both hands free for entering responses into the computer via the keyboard. Responses are entered as numbers, such as "1" for yes and "2" for no.

CATI also allows the computer to present specified questions in random order. This is particularly useful when asking respondents about a series of items with the same response categories. Randomization in CATI is governed by respondent number. The following survey questions were randomized:

Acceptable Behavior (QC1a to QC1h);  
Government (QD2a-1 to QD2a-9) and (QD6a-1 to QD6a-4);  
Environment (QE11a to QE11c); and  
Hennepin County Government (QF1a to QF11 and QF8a to QF8f).

### Supervision

Shifts were managed by a supervisor whose responsibilities included distributing new phone numbers and scheduled appointments, supervising interviewers at work, and monitoring interviews.

### Operations

The interviews were conducted by telephone from a central phone bank, with sound absorbing cubicles and computer stations, located at MCSR. The interviewing was conducted six days a week, including weekend, evening, and weekday interviewing.

Telephone numbers to be called were recorded on contact records, and these were distributed to interviewers at the beginning of each shift. The disposition of each attempt to complete an interview was recorded on these contact records. Each telephone number in the sample continued to be called until there were six "no answer" dispositions on six different shifts.

On the back of each contact record were two forms for recording relevant information about refusals and appointments. The refusal form included entries for the respondents' reasons for declining to participate in the study, the arguments used by the interviewer to encourage participation, and the point at which termination of the interview occurred. The appointment form specified the date and time of the scheduled appointment, the name of the targeted respondent if selected, and whether the appointment was firm, probable, or only a possibility.

For each call made, interviewers recorded the date, time, and disposition of the call as well as their unique interviewer number. Copies of the contact records and explanations for all possible disposition codes are included in Appendix E.

Open-ended responses were entered, verbatim, into the CATI computer program along with the other data for each respondent. In addition, interviewers were instructed to use the "Comments/Open-ended Information" form to record any incidents of repeating questions or categories, miscellaneous ad libs by respondents, and any problems they encountered during the interview. This information was attached to the contact record.

Completed interviews were recorded directly onto computer diskettes and removed from the computers at the end of each day by the supervisor. The contact record for each completed survey was then assigned a unique identification number in the master log. The CATI identification number, telephone number and other pertinent data were also recorded in the master log. All other contact records were returned to the supervisor at the end of the shift.

### Answering Machine Messages

This sample had many households with answering machines. Interviewers were instructed to leave a message that stated they would be calling back and that encouraged the household to call MCSR to complete the interview. A copy of the answering machine script is included in Appendix E.

Monitoring

The silent-entry monitoring system used at MCSR enabled supervisors to listen to interviews and provide immediate feedback regarding improvements in interviewing quality. This system allowed the monitor to hear both the interviewer and the respondent during the interview. Interviewers whose performance was not satisfactory were re-evaluated on subsequent shifts. During the project, all of the interviewers and 28 percent of the interviews were monitored.

Verification

To verify that respondents were in fact interviewed, every twentieth respondent was selected from the master log and called back by a shift supervisor. Five percent of the respondents were contacted for verification and all confirmed that they had been interviewed.

Refusal Conversion

Nearly all of the initial refusals were recontacted by an interviewer. Nine percent of the completed interviews had initially been refusals, and were completed when they were subsequently recontacted.

**MANAGEMENT OF DATA**Coding Open-Ended Questions

As many questions as possible were pre-coded. All open-ended coding was done by two experienced coders, who used an existing hierarchical code structure to categorize responses to the initial survey questions about problems facing people in the Twin Cities metropolitan area today.

Data Cleaning

After data was transferred from the Ci3 file to an SPSS file, it was examined systematically to remove data entry errors. Data cleaning involved the use of a computer program to evaluate each case for variables with out-of-range values. In addition, the file was examined manually to identify cases with paradoxical or inappropriate responses.

## EVALUATION OF THE SAMPLE

Completion Status

A total of 803 telephone interviews were completed for TCAS'97 (Table 1). An additional 372 individuals refused to participate, and 61 telephone numbers were still active when interviewing was terminated. The remainder of the sample was categorized as follows: 42 were eliminated because of physical or language problems, 388 of the telephone numbers in the sample were not home telephone numbers, 279 were not working numbers, 292 were disconnected numbers identified by the Survey Sampling screening service, and 103 were attempted without success on 6 different occasions. An additional 36 households were ineligible because they contained no adult males, and only male respondents were being interviewed during the last stages of data collection to correct a slightly skewed gender distribution. The overall response rate for TCAS'97 was 65%. This compares reasonably well with other omnibus social surveys which generally have response rates of 70% to 75%.

TABLE 1

## FINAL STATUS OF INTERVIEWING FOR TCAS'97

| <u>Status</u>  | <u>Number</u> | <u>(Percent)</u> |
|--|---------------|------------------|
| Completion   | 803           | (34%)            |
| Refusal  | 372           | (16%)            |
| Active   | 61            | (3%)             |
| Physical or Language Problem                         | 42            | (2%)             |
| Not Home Phone                                       | 388           | (16%)            |
| Not Working Number                                   | 279           | (12%)            |
| Disconnected Number<br>(identified by screening svc) | 292           | (12%)            |
| Six Attempted Contacts                               | 103           | (4%)             |
| Ineligible - No Adult Males                          | 36            | (2%)             |
|  | -----         | -----            |
| TOTALS   | 2,376         | (101%)           |

$$\text{RESPONSE RATE} = \frac{\text{Completions}}{\text{Potential interviews}^*} = 65\%$$

-----  
\* Potential interviews were defined as the sum of the first three categories in Table 1.

Representativeness

The accuracy of TCAS'97 can be evaluated by comparing selected characteristics of the survey respondents with 1990 data from the U.S. Census. The geographic representation of the sample is compared to actual household distribution in the metropolitan area (Table 2). In addition to this geographic comparison, reasonably accurate comparisons are possible with gender and age (Tables 3 and 4). The Census comparison for gender has been corrected for age, so that those percentages are based on the population 18 and over.

Although households were randomly selected from throughout the Twin Cities metropolitan area, the geographic distribution of completed surveys was not representative when using 1990 Census data as the standard of comparison. Specifically, Hennepin and Ramsey Counties were under-represented and the other five metropolitan area counties were over-represented (Table 2). Consequently the data file was weighted by county of residence, so that the final weighted data file would be representative of the seven county geographic area. See "Weighting of Data" in Chapter 3 of this report for additional information.

TABLE 2

COUNTY OF RESIDENCE COMPARISON OF TCAS'97 AND CENSUS DATA  
(Household Units)

|            | TCAS'97<br>(unweighted) | TCAS'97<br>(weighted) | 1990<br>Census |
|------------|-------------------------|-----------------------|----------------|
|            | -----                   | -----                 | -----          |
| Anoka      | 12%                     | 10%                   | 9%             |
| Carver     | 3%                      | 2%                    | 2%             |
| Dakota     | 14%                     | 12%                   | 11%            |
| Hennepin   | 40%                     | 46%                   | 48%            |
| Ramsey     | 19%                     | 20%                   | 22%            |
| Scott      | 3%                      | 3%                    | 2%             |
| Washington | 10%                     | 7%                    | 6%             |
|            | -----                   | -----                 | -----          |
| TOTAL      | 101%                    | 100%                  | 100%           |
|            | (803)                   | (803)                 | (875,504)      |

-----  
Figure 1, on the following page, shows the counties included in the Twin Cities metropolitan area.

FIGURE 1

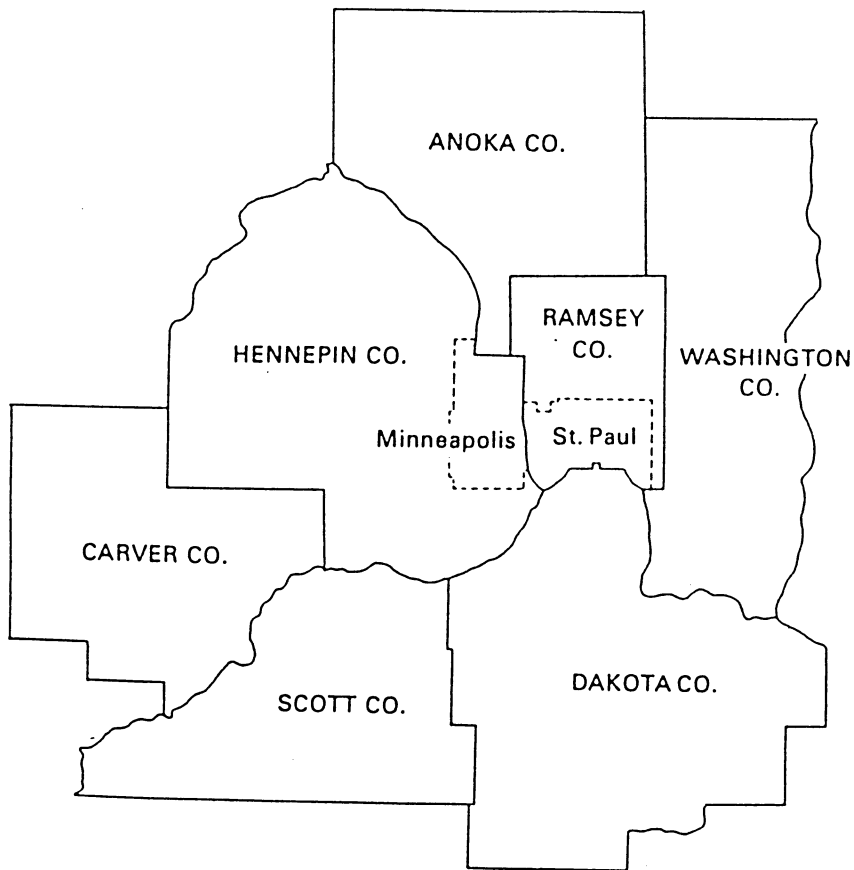


TABLE 3

GENDER COMPARISON OF TCAS'97 AND CENSUS DATA  
(Weighted Data)

|        | TCAS'97 | 1990<br>Census |
|--------|---------|----------------|
|        | -----   | -----          |
| Male   | 49%     | 48%            |
| Female | 51%     | 52%            |
| TOTAL  | 100%    | 100%           |
|        | (803)   | (1,696,470)    |

The distribution of respondents by gender was very close to the individual distribution reported by the Census (Table 3).

**TABLE 4**  
**AGE COMPARISON OF TCAS'97 AND CENSUS DATA**  
 (Weighted Data)

|        | TCAS'97 | 1990<br>Census |
|--------|---------|----------------|
|        | -----   | -----          |
| 18-24  | 12%     | 14%            |
| 25-34  | 20%     | 28%            |
| 35-44  | 26%     | 22%            |
| 45-54  | 20%     | 13%            |
| 55-64  | 12%     | 10%            |
| 65 +   | 11%     | 13%            |
|        | -----   | -----          |
| TOTALS | 101%    | 100%           |
|        | (787)   | (1,696,470)    |

Finally, the distribution of respondents by age under-represented younger adults, particularly those between 25 and 34 years old, and over-represented adults between 45 and 54 years old (Table 4).

Using these tables to evaluate the degree to which the TCAS'97 sample matches the profile of individuals currently living in the Twin Cities metropolitan area shows that, after the data file is weighted by county and number of adults in the household, it is generally an adequate representation of metropolitan area residents.

#### Generalizability of Results

Since the individuals who participated in TCAS'97 were randomly selected from the population of the Twin Cities metropolitan area, the survey results can be generalized to the entire Twin Cities area. These generalizations can be made either to households, using the data file weighted only by county, or to individuals, using the data file weighted by both county and number of adults as the source of the percentages.

The questionnaire and results presented in Chapter 4 of this report are based on the computer data file weighted by both county and number of adults and all percentages presented there generalize to individuals. Each percentage point in TCAS'97 represents approximately 16,965 individuals, since there are an estimated 1,696,470 adults in the metropolitan area.

## SAMPLING ERROR

The margin of error for a simple random sample of the size of the Twin Cities Area Survey is plus or minus 3.5 percentage points, when the distribution of question responses is in the vicinity of 50 percent. This sampling error presumes the conventional 95% degree of desired confidence, which is equivalent to a "significance level" of .05. This means that in a sample of 800 households there is a 95% chance or better that if all households in the Twin Cities metropolitan area were surveyed, the results would not differ from the TCAS'97 findings by more than 3.5 percentage points.

The distribution of sample responses is represented by the proportion of people responding to any question with a particular answer. For a sample size of 800 and a 50/50 distribution of question responses, the sampling error is 3.5 percentage points. A more extreme distribution of question responses has a smaller error range. Suppose that 80% of the respondents answer "Yes" and 20% say "No." The sampling error in this case would be 2.8 percentage points (see Table 6, below). That is, each percentage would have a range of plus or minus 2.8 percentage points.

TABLE 6  
SAMPLING ERROR (IN PERCENTAGE POINTS) BY  
DISTRIBUTION OF QUESTION RESPONSES AND SAMPLE SIZE

|   |       | Size of Sample (N) |     |     |     |     |
|---|-------|--------------------|-----|-----|-----|-----|
|   |       | 800                | 600 | 400 | 200 | 100 |
| Distribution<br>of Question<br>Responses<br>(percent) | 50/50 | 3.5                | 4.0 | 4.9 | 6.9 | 9.8 |
|   | 60/40 | 3.4                | 3.9 | 4.8 | 6.8 | 9.6 |
|   | 70/30 | 3.2                | 3.7 | 4.5 | 6.4 | 9.0 |
|   | 80/20 | 2.8                | 3.2 | 3.9 | 5.5 | 7.8 |
|   | 90/10 | 2.1                | 2.4 | 2.9 | 4.2 | 5.9 |

The importance of sample size in estimating sampling error also needs to be mentioned since many of the organizations using the TCAS'97 data will be interested in subgroups, and not always the total sample of over 800 completed interviews. Essentially, as the size of the sample decreases, there is a corresponding increase in the estimated sampling error. For example, for a subset of 200 persons the estimated error may be as high as plus or minus 6.9 percentage points.

As in all public opinion surveys, the results are also subject to other types of error associated with telephone data collection procedures. One general type of error is sampling error, and includes the systematic exclusion of households without telephones. The other general type of error is non-sampling error, and includes such things as question wording and question order.



## CHAPTER 2

DEMOGRAPHIC PROFILE OF THE SAMPLE

The purpose of this chapter is to briefly describe the TCAS'97 sample according to its demographic characteristics. In addition to variables which are reported here as raw survey results, certain variables have been constructed for the convenience of the user, such as household income and household work status. (It should be noted that while the category labels for household income are not mutually exclusive, actual practice is to record incomes in the higher category. For example, a respondent who reported a household income of exactly \$10,000 would be recorded in the category "\$10,000 to \$15,000".) The definitions for the construction of these variables can be found in Appendix C. The first eight variables describe characteristics of the respondent, while the remaining variables are characteristics of the household.

| <u>VARIABLE</u> | <u>DESCRIPTION</u>              | <u>PAGE</u> |
|-----------------|---------------------------------|-------------|
| AGEMD           | Age of respondent, grouped      | 14          |
| RACE            | Race of respondent              | 14          |
| GENDER          | Gender of respondent            | 14          |
| EDUC            | Education of respondent         | 15          |
| WKSTATUS        | Work status of respondent       | 15          |
| MARSTAT         | Marital status of respondent    | 15          |
| PARTYID         | Political party identification  | 16          |
| PARTY           | Political party, grouped        | 16          |
| HHCOMP          | Household composition           | 16          |
| HHSIZE          | Household size                  | 17          |
| NADULTS         | Number of adults in household   | 17          |
| NKIDS           | Number of children in household | 17          |
| INCOME          | Household income                | 18          |
| HHWKSTAT        | Household work status           | 18          |
| CITY            | Location of resident            | 19          |
| COUNTY          | County of residence             | 19          |
| WGHT            | Case-weighting factor           | 20          |

DEMOGRAPHIC PROFILE

AGEMD AGE OF RESPONDENT, GROUPED

| Value Label  | Value | Frequency | Percent | Valid Percent | Cum Percent |
|--------------|-------|-----------|---------|---------------|-------------|
| 18 - 24      | 1     | 93        | 11.6    | 11.8          | 11.8        |
| 25 - 34      | 2     | 157       | 19.5    | 19.9          | 31.7        |
| 35 - 44      | 3     | 203       | 25.3    | 25.8          | 57.5        |
| 45 - 54      | 4     | 156       | 19.4    | 19.8          | 77.3        |
| 55 - 64      | 5     | 94        | 11.6    | 11.9          | 89.2        |
| 65 AND OLDER | 6     | 85        | 10.6    | 10.8          | 100.0       |
|              | 99    | 16        | 2.0     | Missing       |             |
|              | Total | 803       | 100.0   | 100.0         |             |

Valid cases 787 Missing cases 16

RACE RACE OF RESPONDENT

| Value Label | Value | Frequency | Percent | Valid Percent | Cum Percent |
|-------------|-------|-----------|---------|---------------|-------------|
| WHITE       | 1     | 713       | 88.8    | 90.6          | 90.6        |
| BLACK       | 2     | 28        | 3.5     | 3.5           | 94.1        |
| OTHER       | 3     | 46        | 5.7     | 5.9           | 100.0       |
|             | 9     | 16        | 2.0     | Missing       |             |
|             | Total | 803       | 100.0   | 100.0         |             |

Valid cases 787 Missing cases 16

GENDER GENDER OF RESPONDENT

| Value Label | Value | Frequency | Percent | Valid Percent | Cum Percent |
|-------------|-------|-----------|---------|---------------|-------------|
| MALE        | 1     | 394       | 49.1    | 49.1          | 49.1        |
| FEMALE      | 2     | 409       | 50.9    | 50.9          | 100.0       |
|             | Total | 803       | 100.0   | 100.0         |             |

Valid cases 803 Missing cases 0

EDUC EDUCATION OF RESPONDENT

| Value Label        | Value | Frequency | Percent | Valid Percent | Cum Percent |
|--------------------|-------|-----------|---------|---------------|-------------|
| LESS THAN HS       | 1     | 13        | 1.6     | 1.6           | 1.6         |
| SOME HS            | 2     | 25        | 3.1     | 3.1           | 4.7         |
| HS GRADUATE        | 3     | 174       | 21.7    | 21.9          | 26.7        |
| SOME TECH SCHOOL   | 4     | 20        | 2.5     | 2.5           | 29.2        |
| TECH SCHOOL GRAD   | 5     | 59        | 7.3     | 7.4           | 36.6        |
| SOME COLLEGE       | 6     | 179       | 22.3    | 22.6          | 59.2        |
| COLLEGE GRADUATE   | 7     | 226       | 28.2    | 28.5          | 87.7        |
| POST GRAD/PROF DEG | 8     | 98        | 12.2    | 12.3          | 100.0       |
|                    | 99    | 9         | 1.1     | Missing       |             |
|                    |       | -----     | -----   | -----         |             |
|                    | Total | 803       | 100.0   | 100.0         |             |

Valid cases 794 Missing cases 9

WKSTATUS WORK STATUS OF RESPONDENT

| Value Label      | Value | Frequency | Percent | Valid Percent | Cum Percent |
|------------------|-------|-----------|---------|---------------|-------------|
| WORKED FULL TIME | 1     | 524       | 65.3    | 65.9          | 65.9        |
| WORKED PART TIME | 2     | 107       | 13.4    | 13.5          | 79.4        |
| UNEMPLOYED       | 3     | 13        | 1.6     | 1.6           | 81.0        |
| STUDENT          | 4     | 16        | 1.9     | 2.0           | 82.9        |
| RETIRED          | 5     | 99        | 12.3    | 12.4          | 95.4        |
| HOMEMAKER        | 6     | 37        | 4.6     | 4.6           | 100.0       |
|                  | 9     | 8         | 1.0     | Missing       |             |
|                  |       | -----     | -----   | -----         |             |
|                  | Total | 803       | 100.0   | 100.0         |             |

Valid cases 795 Missing cases 8

MARSTAT MARITAL STATUS OF RESPONDENT

| Value Label | Value | Frequency | Percent | Valid Percent | Cum Percent |
|-------------|-------|-----------|---------|---------------|-------------|
| MARRIED     | 1     | 484       | 60.3    | 60.9          | 60.9        |
| SINGLE      | 2     | 210       | 26.1    | 26.4          | 87.3        |
| DIVORCED    | 3     | 66        | 8.2     | 8.3           | 95.6        |
| SEPARATED   | 4     | 5         | .6      | .6            | 96.2        |
| WIDOWED     | 5     | 30        | 3.7     | 3.8           | 100.0       |
|             | 9     | 8         | 1.0     | Missing       |             |
|             |       | -----     | -----   | -----         |             |
|             | Total | 803       | 100.0   | 100.0         |             |

Valid cases 795 Missing cases 8

PARTYID POLITICAL PARTY IDENTIFICATION

| Value Label | Value | Frequency | Percent | Valid Percent | Cum Percent |
|-------------|-------|-----------|---------|---------------|-------------|
| Strong Dem  | 1     | 129       | 16.1    | 17.7          | 17.7        |
| Weak Dem    | 2     | 125       | 15.6    | 17.1          | 34.8        |
| Indep Dem   | 3     | 94        | 11.7    | 12.8          | 47.6        |
| Indep Ind   | 4     | 105       | 13.0    | 14.3          | 62.0        |
| Indep Rep   | 5     | 86        | 10.7    | 11.7          | 73.7        |
| Weak Rep    | 6     | 112       | 13.9    | 15.3          | 89.0        |
| Strong Rep  | 7     | 80        | 10.0    | 11.0          | 100.0       |
| Apolitical  | 9     | 73        | 9.1     | Missing       |             |
|             |       | -----     | -----   | -----         |             |
| Total       |       | 803       | 100.0   | 100.0         |             |

Valid cases 730 Missing cases 73

PARTY POLITICAL PARTY, GROUPEd

| Value Label | Value | Frequency | Percent | Valid Percent | Cum Percent |
|-------------|-------|-----------|---------|---------------|-------------|
| Democratic  | 1     | 348       | 43.3    | 47.6          | 47.6        |
| Independent | 2     | 105       | 13.0    | 14.3          | 62.0        |
| Republican  | 3     | 278       | 34.6    | 38.0          | 100.0       |
| Apolitical  | 9     | 73        | 9.1     | Missing       |             |
|             |       | -----     | -----   | -----         |             |
| Total       |       | 803       | 100.0   | 100.0         |             |

Valid cases 730 Missing cases 73

HHCOMP HOUSEHOLD COMPOSITION

| Value Label      | Value | Frequency | Percent | Valid Percent | Cum Percent |
|------------------|-------|-----------|---------|---------------|-------------|
| MARRIED, KIDS    | 1     | 236       | 29.4    | 29.7          | 29.7        |
| MARRIED, NO KIDS | 2     | 248       | 30.9    | 31.2          | 60.9        |
| SINGLE PARENT    | 3     | 87        | 10.9    | 11.0          | 71.9        |
| SINGLE, NO KIDS  | 4     | 223       | 27.8    | 28.1          | 100.0       |
|                  | 9     | 8         | 1.0     | Missing       |             |
|                  |       | -----     | -----   | -----         |             |
| Total            |       | 803       | 100.0   | 100.0         |             |

Valid cases 795 Missing cases 8

HHSIZE HOUSEHOLD SIZE

| Value Label      | Value | Frequency     | Percent | Valid Percent | Cum Percent |
|------------------|-------|---------------|---------|---------------|-------------|
| ONE PERSON       | 1     | 85            | 10.5    | 10.6          | 10.6        |
| TWO PEOPLE       | 2     | 285           | 35.4    | 35.7          | 46.3        |
| 3 OR 4 PEOPLE    | 3     | 311           | 38.7    | 38.9          | 85.2        |
| 5 OR MORE PEOPLE | 4     | 118           | 14.7    | 14.8          | 100.0       |
|                  | 9     | 5             | .7      | Missing       |             |
|                  | ----- |               | -----   | -----         |             |
|                  | Total | 803           | 100.0   | 100.0         |             |
| Valid cases      | 798   | Missing cases | 5       |               |             |

NADULTS NUMBER OF ADULTS IN HOUSEHOLD

| Value Label | Value | Frequency     | Percent | Valid Percent | Cum Percent |
|-------------|-------|---------------|---------|---------------|-------------|
|             | 1     | 116           | 14.4    | 14.4          | 14.4        |
|             | 2     | 496           | 61.8    | 61.8          | 76.2        |
|             | 3     | 132           | 16.4    | 16.4          | 92.6        |
|             | 4     | 37            | 4.6     | 4.6           | 97.2        |
|             | 5     | 14            | 1.8     | 1.8           | 99.0        |
|             | 6     | 4             | .4      | .4            | 99.5        |
|             | 7     | 4             | .5      | .5            | 100.0       |
|             | ----- |               | -----   | -----         |             |
|             | Total | 803           | 100.0   | 100.0         |             |
| Valid cases | 803   | Missing cases | 0       |               |             |

NKIDS NUMBER OF CHILDREN IN HOUSEHOLD

| Value Label | Value | Frequency     | Percent | Valid Percent | Cum Percent |
|-------------|-------|---------------|---------|---------------|-------------|
|             | 0     | 478           | 59.5    | 59.5          | 59.5        |
|             | 1     | 119           | 14.8    | 14.8          | 74.2        |
|             | 2     | 134           | 16.7    | 16.7          | 90.9        |
|             | 3     | 48            | 6.0     | 6.0           | 96.9        |
|             | 4     | 18            | 2.2     | 2.2           | 99.1        |
|             | 5     | 3             | .4      | .4            | 99.4        |
|             | 6     | 2             | .3      | .3            | 99.7        |
|             | 7     | 2             | .3      | .3            | 100.0       |
|             | ----- |               | -----   | -----         |             |
|             | Total | 803           | 100.0   | 100.0         |             |
| Valid cases | 803   | Missing cases | 0       |               |             |

**INCOME      HOUSEHOLD INCOME**

| Value Label      | Value | Frequency | Percent | Valid Percent | Cum Percent |
|------------------|-------|-----------|---------|---------------|-------------|
| UNDER \$5,000    | 1     | 4         | .5      | .6            | .6          |
| \$5 TO 10,000    | 2     | 8         | 1.0     | 1.3           | 1.9         |
| \$10 TO 15,000   | 3     | 11        | 1.3     | 1.6           | 3.5         |
| \$15 TO 20,000   | 4     | 23        | 2.9     | 3.6           | 7.1         |
| \$20 TO 25,000   | 5     | 27        | 3.4     | 4.1           | 11.2        |
| \$25 TO 30,000   | 6     | 38        | 4.8     | 5.8           | 17.1        |
| \$30 TO 35,000   | 7     | 23        | 2.9     | 3.5           | 20.6        |
| \$35 TO 40,000   | 8     | 54        | 6.7     | 8.2           | 28.8        |
| \$40 TO 50,000   | 9     | 96        | 12.0    | 14.6          | 43.4        |
| \$50 TO 60,000   | 10    | 89        | 11.1    | 13.6          | 57.0        |
| \$60 TO 70,000   | 11    | 91        | 11.3    | 13.8          | 70.8        |
| \$70 TO 80,000   | 12    | 50        | 6.2     | 7.5           | 78.3        |
| \$80,000 or more | 13    | 143       | 17.8    | 21.7          | 100.0       |
|                  | 99    | 145       | 18.1    | Missing       |             |
|                  |       | -----     | -----   | -----         |             |
|                  | Total | 803       | 100.0   | 100.0         |             |

Valid cases      658      Missing cases      145

**HHWKSTAT      HOUSEHOLD WORK STATUS**

| Value Label      | Value | Frequency | Percent | Valid Percent | Cum Percent |
|------------------|-------|-----------|---------|---------------|-------------|
| WORKED FULL TIME | 1     | 618       | 77.0    | 81.3          | 81.3        |
| WORKED PART TIME | 2     | 33        | 4.1     | 4.3           | 85.6        |
| UNEMPLOYED       | 3     | 8         | 1.0     | 1.0           | 86.6        |
| STUDENT          | 4     | 4         | .5      | .5            | 87.1        |
| RETIRED          | 5     | 95        | 11.9    | 12.5          | 99.6        |
| HOMEMAKER        | 6     | 3         | .3      | .4            | 100.0       |
|                  | 9     | 43        | 5.3     | Missing       |             |
|                  |       | -----     | -----   | -----         |             |
|                  | Total | 803       | 100.0   | 100.0         |             |

Valid cases      760      Missing cases      43

DEMOGRAPHIC PROFILE

CITY LOCATION OF RESIDENT

| Value Label | Value | Frequency     | Percent | Valid Percent | Cum Percent |
|-------------|-------|---------------|---------|---------------|-------------|
| MINNEAPOLIS | 1     | 127           | 15.8    | 15.9          | 15.9        |
| ST PAUL     | 2     | 89            | 11.1    | 11.2          | 27.1        |
| OTHER       | 3     | 582           | 72.4    | 72.9          | 100.0       |
|             | 9     | 5             | .7      | Missing       |             |
|             |       | -----         | -----   | -----         |             |
|             | Total | 803           | 100.0   | 100.0         |             |
| Valid cases | 798   | Missing cases | 5       |               |             |

COUNTY COUNTY OF RESIDENCE

| Value Label | Value | Frequency     | Percent | Valid Percent | Cum Percent |
|-------------|-------|---------------|---------|---------------|-------------|
| ANOKA       | 2     | 82            | 10.2    | 10.2          | 10.2        |
| CARVER      | 10    | 18            | 2.3     | 2.3           | 12.4        |
| DAKOTA      | 19    | 98            | 12.2    | 12.2          | 24.7        |
| HENNEPIN    | 27    | 368           | 45.8    | 45.8          | 70.4        |
| RAMSEY      | 62    | 162           | 20.2    | 20.2          | 90.6        |
| SCOTT       | 70    | 21            | 2.6     | 2.6           | 93.2        |
| WASHINGTON  | 82    | 55            | 6.8     | 6.8           | 100.0       |
|             |       | -----         | -----   | -----         |             |
|             | Total | 803           | 100.0   | 100.0         |             |
| Valid cases | 803   | Missing cases | 0       |               |             |

DEMOGRAPHIC PROFILE

WGHT CASE-WEIGHTING FACTOR

| Value Label | Value | Frequency | Percent | Valid Percent | Cum Percent |
|-------------|-------|-----------|---------|---------------|-------------|
|             | .32   | 2         | .2      | .2            | .2          |
|             | .36   | 5         | .7      | .7            | .9          |
|             | .40   | 6         | .8      | .8            | 1.7         |
|             | .46   | 13        | 1.7     | 1.7           | 3.3         |
|             | .47   | 1         | .1      | .1            | 3.5         |
|             | .59   | 28        | 3.5     | 3.5           | 7.0         |
|             | .62   | 60        | 7.4     | 7.4           | 14.4        |
|             | .64   | 10        | 1.3     | 1.3           | 15.7        |
|             | .72   | 37        | 4.7     | 4.7           | 20.3        |
|             | .81   | 51        | 6.3     | 6.3           | 26.6        |
|             | .92   | 64        | 8.0     | 8.0           | 34.7        |
|             | .95   | 12        | 1.5     | 1.5           | 36.2        |
|             | .96   | 4         | .5      | .5            | 36.7        |
|             | 1.08  | 8         | .9      | .9            | 37.6        |
|             | 1.17  | 101       | 12.6    | 12.6          | 50.2        |
|             | 1.21  | 18        | 2.3     | 2.3           | 52.4        |
|             | 1.23  | 220       | 27.5    | 27.5          | 79.9        |
|             | 1.27  | 3         | .3      | .3            | 80.2        |
|             | 1.38  | 18        | 2.2     | 2.2           | 82.4        |
|             | 1.42  | 6         | .7      | .7            | 83.2        |
|             | 1.44  | 4         | .5      | .5            | 83.7        |
|             | 1.61  | 6         | .8      | .8            | 84.5        |
|             | 1.76  | 19        | 2.4     | 2.4           | 86.9        |
|             | 1.85  | 59        | 7.4     | 7.4           | 94.3        |
|             | 1.89  | 2         | .2      | .2            | 94.5        |
|             | 2.30  | 2         | .3      | .3            | 94.8        |
|             | 2.35  | 7         | .9      | .9            | 95.7        |
|             | 2.46  | 15        | 1.8     | 1.8           | 97.5        |
|             | 2.93  | 3         | .4      | .4            | 97.9        |
|             | 3.08  | 9         | 1.2     | 1.2           | 99.0        |
|             | 3.52  | 4         | .4      | .4            | 99.5        |
|             | 4.31  | 4         | .5      | .5            | 100.0       |
|             | Total | 803       | 100.0   | 100.0         |             |

Valid cases 803 Missing cases 0



## CHAPTER 3

INSTRUCTIONS FOR USING THE QUESTIONNAIRE AND RESULTS

## OBJECTIVES

The questionnaire and results (Chapter 4 of this report) for a survey data file serve three basic functions: (1) a record of the exact wording and order of the survey questions; (2) a report of the responses to those questions; and (3) documentation of the variable names, which are necessary to access the computer data file. The questionnaire and results section of this report is a copy of the questionnaire with the frequency distributions and percentages added to those questions which were pre-coded or closed-ended. Appendix A contains the responses to open-ended questions, while Appendix B shows the responses to continuous variables, such as year of birth. Appendix C provides the definitions for constructed variables which make many of these responses more useful, e.g. age group. The distributions for these constructed variables are presented in Chapter 2 of this report: Demographic Profile of the Sample. Appendix D contains the frequency counts for administrative variables, such as interview length. Finally, Appendix E contains copies of the administrative forms used for this survey.

## INTERPRETING THE QUESTIONNAIRE RESULTS

Chapter 4 of this report contains a replica of the 1997 Twin Cities Area Survey questionnaire. Two pieces of information have been added to this replica: question labels, and the response frequencies and percentages for each question. The questionnaire and response frequencies will be of major interest to most readers. The question labels, or variable labels, are useful documentation for those who wish to use a computer and the SPSS software package for more detailed analysis.

The questionnaire is an exact replica. This is important in order to know how questions were phrased, in what order they were asked, and when it was proper to skip certain questions. Interviewers were instructed to read these questions verbatim and to avoid giving their interpretations or opinions in any way. Two types of markings which appear on the survey form were not indicated to respondents: instructions to the interviewers which are shown in parentheses, and section and survey labels which are shown in bold type.

To the right of each question is printed a list of permissible answers and a code number for each answer. The interviewer was instructed to enter into the CATI program the number corresponding to the answer given by the respondent. A new CATI questionnaire was used for each interview and was assigned a unique code number to identify the answers of each respondent. The third question in the demographics section of the survey provides a good example of this coding scheme. If a respondent reported being a homeowner, "1" would be entered into the computer for that question.

The responses to open-ended questions were entered verbatim into the CATI computer program for each survey. These responses were later either: (1) classified into categories by specially trained coders who entered a category number into the CATI coding program for those questions or (2) transcribed verbatim. The responses which were classified into categories are summarized in Appendix A. The results from any other open-ended questions on the survey were transcribed verbatim and provided to the funding organization. These listings are available from the MCSR office upon request, once the funding organization has approved their release.

Questions with continuous distributions, where many discrete answers are possible, were shown with open spaces in the answer column of the question. Interviewers simply typed numbers, such as zip code and year of birth, into the CATI computer program. The responses to those questions are presented in Appendix B.

#### Missing Value Nomenclature

For all types of questions, two to three types of "missing" response categories exist: DK or don't know, RA or refused to answer, and NA or not applicable. The first two categories are self-explanatory and are always options for respondents. Not applicable is an option when some respondents were not required to answer a particular question. The code associated with each missing value category is indicated for each question in the survey.

#### Response Frequencies

The responses summed for all 803 respondents are shown in the last two columns to the right of each question. The first of these columns shows the number of people in each response category: these should sum to 803, with some rounding error. The second number is the percentage response, adjusted to exclude the missing response categories.

For most analytical purposes, people will want these adjusted percentages. They were computed and presented here to meet that need. These adjusted percentages are less appropriate when used as a public opinion poll, for showing public support for policies. For example, if 15 percent of the respondents did not answer a question, but 55 percent of those who did answer supported a particular position, it is inappropriate to argue that the issue has majority support. In this example, only 47 percent of all people would actually be supportive. For policy choices, it may be more appropriate to show the percentage distribution of all 803 respondents.

Analysts should beware of using these adjusted percentages. Where the number of people not responding is large, the adjusted percentages will misrepresent public sentiment. Contact MCSR if you have any doubt which percentages to use.

One final comment: the frequencies shown here are "weighted" by both county and the number of adults in the household as explained below. This technique introduces some rounding errors, so that the sum of the frequencies for a given question may not equal exactly 803.

**VARIABLES PRESENTED IN APPENDICES**

The results from the open-ended questions (the most important problems facing people in the Twin Cities area today) are presented in Appendix A.

The results from questions which have continuous responses are presented in Appendix B.

Appendix C contains the operational definitions of the constructed variables for the convenience of the data file user. The distribution of these variables is presented in Chapter 2 of this report: Demographic Profile of the Sample. These constructed variables are contained in the SPSS data file along with all of the original variables.

The results from survey administration items, such as date of completion and interviewer ID, are presented in Appendix D.

**VERBATIM RESPONSES**

MCSR maintains records of verbatim responses. For open-ended questions, this record is in the CATI data file. A separate listing of responses is also created and maintained for most question answers which fall outside a permissible list and are coded as "other". For example, a Socialist would fall outside the normal political list of Republican, Democrat, or Independent and would be coded as "other". These lists are available from the MCSR office upon request for most questions in the survey.

**WEIGHTING OF DATA**

The responses presented in the questionnaire and results section of this report and in the appendices have been weighted based upon: (1) the total number of adults living in the household, and (2) county of residence.

The results for this omnibus survey are routinely weighted by the number of adults living in the household because telephone surveys tend to oversample people who live in single-individual households. Consequently, these individuals were downweighted by about 50% and all others upweighted accordingly to more accurately represent the distribution of adult members within households in the population of the Twin Cities metropolitan area.

This year the results have also been weighted by county of residence because, although the respondents were randomly selected, their geographic distribution was not representative, with Hennepin and Ramsey Counties being under-represented and the other five metropolitan counties being over-represented in the sample of individuals who completed interviews. Consequently, survey respondents from Hennepin and Ramsey Counties were generally upweighted, and those from the other counties were generally downweighted to more accurately represent the geographic distribution of adults in the seven county metropolitan area.

Weighted response distributions will differ slightly from unweighted distributions. The construction and activation of the weighting factor is described in Appendix C, under the variable "WGHT."

TCAS-97.Q/B-27

3/30/98

A. QUALITY OF LIFE

The first questions are about quality of life.

(NOTE: There were two alternate versions of QA1; each version was asked of approximately 400 individuals)

|  |                        | <u>Freq</u> | <u>%</u> |
|--|------------------------|-------------|----------|
| QA1a. How would you rate the Twin Cities area as a place to live as compared to other metropolitan areas in the nation -- do you feel the Twin Cities area is a much better place, a slightly better place, a slightly worse place, or a much worse place in which to live?                                | Much better. . . . 1   | 205         | 53       |
|  | Slightly better. . . 2 | 172         | 44       |
|  | Slightly worse . . . 4 | 10          | 3        |
|  | Much worse . . . . 5   | 2           | 1        |
|  | DK . . . . 8           | 18          |          |
|  | RA . . . . 9           | 1           |          |
|  | NA . . . .             | 395         |          |
| QA1b. How would you rate the Twin Cities area as a place to live as compared to other metropolitan areas in the nation -- do you feel the Twin Cities area is a much better place, a slightly better place, about the same, a slightly worse place, or a much worse place in which to live?                | Much better. . . . 1   | 182         | 47       |
|  | Slightly better. . . 2 | 153         | 40       |
|  | About the same . . . 3 | 45          | 12       |
|  | Slightly worse . . . 4 | 1           | 0        |
|  | Much worse . . . . 5   | 2           | 1        |
|  | DK . . . . 8           | 9           |          |
|  | RA . . . . 9           | 1           |          |
| NA . . . .   | 408                    |             |          |
| QA2GRP. In your opinion, what do you think is the SINGLE most important problem facing people in the Twin Cities metropolitan area today?<br><br>(IF "TAXES", PROBE: Is that income taxes, property taxes, or sales tax?)<br><br>SEE APPENDIX A, PAGES A-2 TO A-3,<br>FOR A MORE COMPLETE LIST OF PROBLEMS | Taxes. . . . .01       | 49          | 6        |
|  | Education. . . . .02   | 53          | 7        |
|  | Environment . . .03    | 19          | 2        |
|  | Economy. . . . .04     | 48          | 6        |
|  | Health care . . .05    | 8           | 1        |
|  | Transportation .06     | 94          | 12       |
|  | Housing . . . . .07    | 6           | 1        |
|  | Food . . . . .08       | 1           | 0        |
|  | Government . . . .09   | 24          | 3        |
|  | War. . . . .10         | 0           | -        |
|  | Crime . . . . .11      | 302         | 39       |
|  | Energy . . . . .12     | 0           | -        |
|  | Social issues. . .13   | 132         | 17       |
|  | Family . . . . .14     | 21          | 3        |
|  | Other. . . . .15       | 21          | 3        |
|  | Urban Problems .16     | 0           | -        |
|  | DK . . .88             | 25          |          |
|  | RA . . .99             | 1           |          |

(PROBE DK RESPONSES)

(IF DK OR RA, GO TO Q4)

QA3. What other important problems are facing Twin Cities residents today? (PROBE FOR TWO ANSWERS)

SEE APPENDIX A,  
PAGES A-4 TO A-9

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(PROBE DK RESPONSES)

|   |                          | <u>Freq</u> | <u>%</u> |
|---|--------------------------|-------------|----------|
| QA4. Over the past year or two, do you think the quality of life in the Twin Cities area has gotten better, stayed about the same, or gotten worse? | Gotten better. . . . .   | 1           | 192      |
|   | Stayed the same. . . . . | 2           | 455      |
|   | Gotten worse . . . . .   | 3           | 133      |
|   | DK . . . . .             | 8           | 22       |
|   | RA . . . . .             | 9           | 1        |

5. Compared to other places to live, does the Twin Cities area rate above average, average, or below average when it comes to (READ LIST)?

|  | ABOVE<br>AVERAGE<br>1 | AVERAGE<br>2 | BELOW<br>AVERAGE<br>3 | DK<br>8 | RA<br>9 | Freq<br>(%) |
|--|-----------------------|--------------|-----------------------|---------|---------|-------------|
| QA5a. Employment opportunities . . . . .                                 | 624<br>(80)           | 142<br>(18)  | 11<br>(1)             | 24      | 2       |             |
| QA5b. Air and water quality. . . . .                                     | 475<br>(61)           | 269<br>(35)  | 31<br>(4)             | 27      | 1       |             |
| QA5c. Climate. . . . .   | 171<br>(22)           | 362<br>(46)  | 251<br>(32)           | 17      | 2       |             |
| QA5d. Entertainment opportunities. . . . .                               | 483<br>(62)           | 254<br>(32)  | 48<br>(6)             | 18      | 1       |             |
| QA5e. Concern for the disadvantaged. . . . .                             | 413<br>(55)           | 285<br>(38)  | 50<br>(7)             | 53      | 2       |             |
| QA5f. Personal safety. . . . .   | 253<br>(32)           | 458<br>(59)  | 70<br>(9)             | 20      | 2       |             |
| QA5g. How easy it is to get around . . . . .                             | 259<br>(33)           | 371<br>(47)  | 159<br>(20)           | 12      | 1       |             |
| QA5h. The quality of public schools. . . . .                             | 324<br>(45)           | 296<br>(41)  | 105<br>(14)           | 77      | 1       |             |
| QA5i. The level of public service provided for your tax dollar . . . . . | 215<br>(28)           | 403<br>(53)  | 146<br>(19)           | 38      | 1       |             |
| QA5j. Health care. . . . .   | 403<br>(52)           | 276<br>(36)  | 90<br>(12)            | 34      | 0       |             |
| QA5k. Shopping facilities. . . . .                                       | 614<br>(78)           | 157<br>(20)  | 20<br>(2)             | 13      | 0       |             |
| QA5l. Affordability and quality of housing. . . . .                      | 215<br>(28)           | 473<br>(61)  | 92<br>(12)            | 21      | 1       |             |

(NOTE: There were two alternate versions of QA6; each version was asked of approximately 400 individuals)

|  |                        | Freq | %  |
|--|------------------------|------|----|
| QA6a. How would you rate your neighborhood as a place to live as compared to other neighborhoods in the Twin Cities area . . . do you feel it is a much better place to live, a slightly better place, a slightly worse place, or a much worse place to live?  | Much better. . . . 1   | 189  | 45 |
|  | Slightly better. . . 2 | 185  | 44 |
|  | Slightly worse . . . 4 | 35   | 8  |
|  | Much worse . . . . 5   | 7    | 2  |
|  | DK . . . . 8           | 5    |    |
|  | RA . . . . 9           | 0    |    |
|  | NA . . . . .           | 381  |    |
| QA6b. How would you rate your neighborhood as a place to live as compared to other neighborhoods in the Twin Cities area . . . do you feel it is a much better place to live, a slightly better place, about the same as other neighborhoods, a slightly worse place, or a much worse place to live? | Much better. . . . 1   | 153  | 41 |
|  | Slightly better. . . 2 | 140  | 37 |
|  | Same as others . . . 3 | 61   | 16 |
|  | Slightly worse . . . 4 | 19   | 5  |
|  | Much worse . . . . 5   | 5    | 1  |
|  | DK . . . . 8           | 2    |    |
|  | RA . . . . 9           | 1    |    |
| NA . . . . .   | 423                    |      |    |
| QA7. How much of the time do you feel safe in your neighborhood . . . do you always feel safe, usually feel safe, only sometimes feel safe, or hardly ever feel safe?  | Always safe. . . . 1   | 469  | 59 |
|  | Usually safe . . . . 2 | 297  | 37 |
|  | Only sometimes . . . 3 | 32   | 4  |
|  | Hardly ever safe . . 4 | 1    | 0  |
|  | DK . . . . 8           | 4    |    |
|  | RA . . . . 9           | 0    |    |

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**B. TRANSPORTATION**

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Now I have a few questions about transportation.

|  |                        |     |    |
|--|------------------------|-----|----|
| QB1. How important is a regional public transit or bus system in maintaining a high quality of life in the Twin Cities metro area . . . very important, somewhat important, not very important, or not at all important? | Very important . . . 1 | 525 | 66 |
|  | Somewhat important 2   | 192 | 24 |
|  | Not very important 3   | 41  | 5  |
|  | Not at all imp . . . 4 | 32  | 4  |
|  | DK . . . . 8           | 14  |    |
| RA . . . . 9   | 0                      |     |    |
| QB2. Are you aware that there are several publicly supported transit companies, including Metro Transit which used to be called MTC, that provide bus service throughout the metro area?                                 | Yes. . . . . 1         | 714 | 89 |
|  | No . . . . . 2         | 87  | 11 |
|  | DK . . . . 8           | 2   |    |
|  | RA . . . . 9           | 0   |    |
| QB3. How important do you think it is for these bus companies to inter-connect service with one another . . . very important, somewhat important, not very important, or not at all important?                           | Very important . . . 1 | 547 | 70 |
|  | Somewhat important 2   | 190 | 24 |
|  | Not very important 3   | 32  | 4  |
|  | Not at all imp . . . 4 | 10  | 1  |
|  | DK . . . . 8           | 21  |    |
|  | RA . . . . 9           | 3   |    |

|  |                  | <u>Freq</u> | <u>%</u> |
|--|------------------|-------------|----------|
| QB4. In the past year, have you heard of or read anything about Metro Commuter Services, which used to be called Minnesota Rideshare, a service that matches potential van pool or car pool riders and offers preferred parking for van pool or car pool riders? | Yes . . . . .    | 1 469       | 58       |
|  | No . . . . .     | 2 332       | 42       |
|  | (IF NO, GO TO 5) |             |          |
|  | DK . . . . .     | 8 2         |          |
|  | RA . . . . .     | 9 0         |          |
| QB4a. (IF YES) Have you used Metro Commuter Services in the last 12 months?  | Yes . . . . .    | 1 43        | 9        |
|  | No . . . . .     | 2 425       | 91       |
|  | DK . . . . .     | 8 1         |          |
|  | RA . . . . .     | 9 0         |          |
|  | NA . . . . .     | 334         |          |
| QB5. Did you know that there is a Transit Information Center that provides information on bus schedules, bus routes, and fares?  | Yes . . . . .    | 1 576       | 72       |
|  | No . . . . .     | 2 226       | 28       |
|  | (IF NO, GO TO 6) |             |          |
|  | DK . . . . .     | 8 1         |          |
|  | RA . . . . .     | 9 0         |          |
| QB5a. (IF YES) Have you contacted the Transit Information Center in the last 12 months?  | Yes . . . . .    | 1 143       | 25       |
|  | No . . . . .     | 2 433       | 75       |
|  | DK . . . . .     | 8 0         |          |
|  | RA . . . . .     | 9 0         |          |
|  | NA . . . . .     | 227         |          |
| QB6. Have you used the regional public transit or bus system in the last 12 months?  | Yes . . . . .    | 1 189       | 24       |
|  | No . . . . .     | 2 615       | 76       |
|  | DK . . . . .     | 8 0         |          |
|  | RA . . . . .     | 9 0         |          |

C. ACCEPTABLE BEHAVIOR

The next questions are about the kind of behavior that is acceptable to you.

1. As far as you are concerned, is it EVER acceptable (READ LIST)?

|  | YES<br>1    | NO<br>2      | DK<br>8 | RA<br>9 |             |
|--|-------------|--------------|---------|---------|-------------|
| ___ QC1a. For a parent to SPANK a child. . . . .   | 536<br>(68) | 251<br>(32)  | 10      | 7       | Freq<br>(%) |
| ___ QC1b. For a parent to HIT a child, other<br>than spanking. . . . .                           | 25<br>(3)   | 772<br>(97)  | 4       | 2       |             |
| ___ QC1c. For a man to hit his wife to make<br>a point. . . . .                                  | 2<br>(0)    | 801<br>(100) | 0       | 1       |             |
| ___ QC1d. For a man to verbally threaten or<br>intimidate his wife to make a point. (2)          | 17<br>(2)   | 777<br>(98)  | 4       | 5       |             |
| ___ QC1e. For kids in high school to hit<br>each other in a fight. . . . .                       | 59<br>(7)   | 736<br>(93)  | 8       | 0       |             |
| ___ QC1f. For people to hit each other<br>at work. . . . .                                       | 5<br>(1)    | 799<br>(99)  | 0       | 0       |             |
| ___ QC1g. For a supervisor to verbally<br>threaten or intimidate an employee<br>at work. . . . . | 29<br>(4)   | 769<br>(96)  | 2       | 4       |             |
| ___ QC1h. For athletes to fight during a team<br>competition. . . . .                            | 65<br>(8)   | 732<br>(92)  | 6       | 0       |             |

RANDOM START C1: \_\_\_\_\_

D. GOVERNMENT

The next few questions are about organizations that serve the Twin Cities metropolitan area.

|   |                        | Freq  | %  |
|---|------------------------|-------|----|
| QD1. Have you heard of Metropolitan State<br>University?  | Yes. . . . .           | 1 581 | 72 |
|   | No . . . . .           | 2 220 | 28 |
|   | (IF NO, GO TO 2)       |       |    |
|   | DK . . . . .           | 8 3   |    |
|   | RA . . . . .           | 9 0   |    |
| QD1a. (IF YES) How would you describe your<br>overall impression of Metropolitan<br>State University . . . very favorable,<br>favorable, unfavorable, or very<br>unfavorable? | Very favorable . . .   | 1 80  | 19 |
|   | Favorable. . . . .     | 2 320 | 75 |
|   | Unfavorable. . . . .   | 3 26  | 6  |
|   | Very unfavorable . . . | 4 2   | 1  |
|   | DK . . . . .           | 8 146 |    |
|   | RA . . . . .           | 9 7   |    |
|   | NA . . . . .           | 223   |    |



|  |                  | Freq  | %  |
|--|------------------|-------|----|
| QD2. Have you heard of the Metropolitan Council? | Yes . . . . .    | 1 487 | 61 |
|  | No . . . . .     | 2 310 | 39 |
|  | (IF NO, GO TO 3) |       |    |
|  | DK . . . . .     | 8 6   |    |
|  | RA . . . . .     | 9 0   |    |

a. (IF YES) Are you aware of the METROPOLITAN COUNCIL'S involvement in (READ LIST)?

|   | YES<br>1    | NO<br>2     | DK<br>8 | RA<br>9 | NA<br>. |          |
|---|-------------|-------------|---------|---------|---------|----------|
| __ QD2a-1. Overall planning and funding for a system of REGIONAL parks . . . . .                | 237<br>(50) | 242<br>(50) | 8       | 0       | 316     | Freq (%) |
| __ QD2a-2. Research and information about the Twin Cities metro area . . . . .                  | 224<br>(47) | 256<br>(53) | 6       | 0       | 316     |          |
| __ QD2a-3. Planning and public input in how the region should manage future growth. . . . .     | 281<br>(58) | 199<br>(42) | 6       | 0       | 316     |          |
| __ QD2a-4. Regional public transit or bus operations . . . . .                                  | 258<br>(54) | 222<br>(46) | 7       | 0       | 316     |          |
| __ QD2a-5. Wastewater treatment services. . . . .   | 243<br>(51) | 234<br>(49) | 10      | 0       | 316     |          |
| __ QD2a-6. Planning in water management issues such as water quality and water supply . . . . . | 245<br>(51) | 237<br>(49) | 5       | 0       | 316     |          |
| __ QD2a-7. Airport planning . . . . .   | 344<br>(72) | 137<br>(28) | 7       | 0       | 316     |          |
| __ QD2a-8. Planning for increased affordable housing THROUGHOUT the metro region . . . . .      | 235<br>(49) | 245<br>(51) | 7       | 0       | 316     |          |
| __ QD2a-9. Rent assistance for low-income families . . . . .                                    | 186<br>(39) | 290<br>(61) | 11      | 0       | 316     |          |

RANDOM START D2a: \_\_\_\_

|   |                         |       |    |
|---|-------------------------|-------|----|
| QD2b. (IF YES) What is your impression of the job the Metropolitan Council is doing in addressing and resolving regional issues . . . are they doing a very good job, a good job, a fair job, a poor job, or a very poor job in addressing and resolving regional issues? | Very good job . . . . . | 1 19  | 5  |
|   | Good job . . . . .      | 2 103 | 26 |
|   | Fair job . . . . .      | 3 212 | 54 |
|   | Poor job . . . . .      | 4 44  | 11 |
|   | Very poor job . . . . . | 5 17  | 4  |
|   | DK . . . . .            | 8 85  |    |
|   | RA . . . . .            | 9 5   |    |
|   | NA . . . . .            | 316   |    |

|  |                         | Freq | %   |
|--|-------------------------|------|-----|
| QD3. In the past year, have you heard of or read anything about the Regional Data Center?  | Yes . . . . .           | 1    | 37  |
|  | No . . . . .            | 2    | 765 |
|  | DK . . . . .            | 8    | 1   |
|  | RA . . . . .            | 9    | 0   |
| QD4. Do you have access to information on the Internet at work, at home, or somewhere else?<br><br>_____<br>(SPECIFY OTHER HERE) | Yes, at work . . .      | .01  | 144 |
|  | Yes, at home . . .      | .02  | 125 |
|  | Yes, both. . . . .      | .03  | 144 |
|  | Yes, other (SPEC).04    | 2    | 0   |
|  | No access. . . . .      | .05  | 342 |
|  | (IF NO ACCESS, GO TO 5) |      |     |
|  | Yes, at library. .06    | 3    | 0   |
|  | Yes, at fam/frnd .07    | 22   | 3   |
|  | Yes, at school . .08    | 16   | 2   |
| Yes, many places .09   | 5                       | 1    |     |
| DK . . . . .   | .88                     | 0    |     |
| RA . . . . .   | .99                     | 0    |     |

a. (IF YES) Do you use it for e-mail, research and reference, educational sites, entertainment, obtaining help, or something else? (CIRCLE ALL THAT APPLY)

|   | YES<br>1    | NO<br>2     | DK<br>8 | RA<br>9 | NA<br>. |             |
|---|-------------|-------------|---------|---------|---------|-------------|
| QD4a-1. E-mail . . . . .                                  | 322<br>(72) | 123<br>(28) | 15      | 1       | 342     | Freq<br>(%) |
| QD4a-2. Research and reference . .                        | 337<br>(76) | 108<br>(24) | 15      | 1       | 342     |             |
| QD4a-3. Educational sites. . . . .                        | 266<br>(60) | 179<br>(40) | 15      | 1       | 342     |             |
| QD4a-4. Entertainment. . . . .                            | 240<br>(54) | 205<br>(46) | 15      | 1       | 342     |             |
| QD4a-5. Obtaining help . . . . .                          | 207<br>(47) | 238<br>(53) | 15      | 1       | 342     |             |
| QD4a-6. Something else . . . . .                          | 6<br>(1)    | 439<br>(99) | 15      | 1       | 342     |             |
| _____   |             |             |         |         |         |             |
| QD4a-7. Don't use Internet info<br>(VOLUNTEERED). . . . . | 18<br>(4)   | 427<br>(96) | 15      | 1       | 342     |             |

|   |                   | <u>Freq</u> | <u>%</u> |
|---|-------------------|-------------|----------|
| QD5. Have you visited a regional park in the Twin Cities metro area in the past year? | Yes . . . . .     | 1           | 617      |
|   | No . . . . .      | 2           | 181      |
|   | (IF YES, GO TO 6) |             |          |
|   | DK . . . . .      | 8           | 5        |
|   | RA . . . . .      | 9           | 0        |

|  |               |   |     |    |
|--|---------------|---|-----|----|
| QD5a. (IF NO OR DK) Have you heard of or read anything about Twin Cities area regional parks in the past year? | Yes . . . . . | 1 | 70  | 38 |
|  | No . . . . .  | 2 | 115 | 62 |
|  | DK . . . . .  | 8 | 2   |    |
|  | RA . . . . .  | 9 | 0   |    |
|  | NA . . . . .  |   | 617 |    |

|  |                             |   |     |    |
|--|-----------------------------|---|-----|----|
| QD6. Have you heard of the Metropolitan Council Environmental Services Division, which used to be called the Metro Waste Control Commission? | Yes . . . . .               | 1 | 319 | 40 |
|  | No . . . . .                | 2 | 480 | 60 |
|  | (IF NO, GO TO NEXT SECTION) |   |     |    |
|  | DK . . . . .                | 8 | 4   |    |
|  | RA . . . . .                | 9 | 0   |    |

a. (IF YES) How would you rate the job they are doing in (READ LIST)  
 . . . very good, good, fair, poor, or very poor?

|  | VERY<br>GOOD<br>1 | GOOD<br>2   | FAIR<br>3  | POOR<br>4  | VERY<br>POOR<br>5 | DK<br>8 | RA<br>9 | NA<br>. |             |
|--|-------------------|-------------|------------|------------|-------------------|---------|---------|---------|-------------|
| __QD6a-1. Treating wastewater. .                                     | 30<br>(12)        | 136<br>(54) | 68<br>(27) | 17<br>(7)  | 2<br>(1)          | 65      | 1       | 484     | Freq<br>(%) |
| __QD6a-2. Getting industrial users to control wastewater pollution . | 28<br>(11)        | 110<br>(44) | 76<br>(30) | 31<br>(12) | 7<br>(3)          | 67      | 0       | 484     |             |
| __QD6a-3. Planning for water resources for the future . . . . .      | 20<br>(9)         | 100<br>(46) | 79<br>(36) | 14<br>(6)  | 6<br>(3)          | 99      | 0       | 484     |             |
| __QD6a-4. Protecting the environment in the metropolitan area. .     | 27<br>(10)        | 147<br>(54) | 72<br>(27) | 23<br>(8)  | 2<br>(1)          | 48      | 0       | 484     |             |

RANDOM START D6a: \_\_\_\_

E. ENVIRONMENT

The next questions are about the environment.

|   |   | <u>Freq</u> | <u>%</u> |
|---|---|-------------|----------|
| QE1. How satisfied are you with the quality of the drinking water at your home . . . very satisfied, somewhat satisfied, not very satisfied, or not at all satisfied?                 | Very satisfied . . . 1                  | 336         | 42       |
|   | Somewhat satisfied 2                    | 306         | 38       |
|   | Not very satisfied 3                    | 94          | 12       |
|   | Not at all satis . 4                    | 63          | 8        |
|   | DK . . . 8                              | 3           |          |
|   | RA . . . 9                              | 2           |          |
| QE2. How satisfied are you with the quality of the water in metropolitan area lakes and rivers . . . very satisfied, somewhat satisfied, not very satisfied, or not at all satisfied? | Very satisfied . . . 1                  | 85          | 11       |
|   | Somewhat satisfied 2                    | 405         | 52       |
|   | Not very satisfied 3                    | 221         | 28       |
|   | Not at all satis . 4                    | 68          | 9        |
|   | DK . . . 8                              | 24          |          |
|   | RA . . . 9                              | 1           |          |
| QE3. Are you aware of where water goes when it enters the storm drain or catch basin on your street?  | Yes. . . . . 1                          | 513         | 64       |
|   | No . . . . . 2                          | 285         | 36       |
|   | (IF NO, GO TO 4)                        |             |          |
|   | DK . . . 8                              | 5           |          |
|   | RA . . . 9                              | 0           |          |
| QE3a. (IF YES) Where DOES the water go?<br>(DO NOT READ LIST)   | Wastewater/sewage treatment plant. 1    | 106         | 21       |
|   | A lake or stream . 2                    | 173         | 35       |
|   | Mississippi River. 3                    | 170         | 34       |
|   | Under the ground/<br>groundwater. . . 4 | 14          | 3        |
|   | Other (SPECIFY). . 5                    | 14          | 3        |
|   | Minnesota River. . 6                    | 10          | 2        |
|   | Local pond . . . . 7                    | 13          | 2        |
|   | DK . . . 8                              | 13          |          |
|   | RA . . . 9                              | 0           |          |
|   | NA . . . .                              | 291         |          |
|   |   |             |          |

(SPECIFY OTHER HERE)

|  | <u>Freq</u>                                     | <u>%</u> |
|--|---|----------|
| <b>QE4.</b> Are you aware of what happens to water and waste that go down your sink and toilet?                | Yes . . . . . 1                                 | 532 67   |
|  | No . . . . . 2                                  | 266 33   |
|  | (IF NO, GO TO 5)                                |          |
|  | DK . . . . 8                                    | 5        |
|  | RA . . . . 9                                    | 0        |
| <br><b>QE4a.</b> (IF YES) Where DOES this water and waste go? (DO NOT READ LIST)                               |   |          |
|  | Wastewater/sewage treatment plant. 1            | 361 69   |
|  | A lake or stream . 2                            | 21 4     |
|  | Mississippi River. 3                            | 48 9     |
|  | Septic tank/cesspool . . . . 4                  | 67 13    |
|  | Other (SPECIFY). . . 5                          | 12 2     |
|  | Sewer. . . . . 6                                | 16 3     |
|  | (IF NOT TREATMENT PLANT, GO TO 5)               |          |
|  | DK . . . . 8                                    | 6        |
|  | RA . . . . 9                                    | 0        |
|  | NA . . . . .                                    | 271      |
| <br><hr/> <b>QE4a-1.</b> (IF WASTEWATER/SEWAGE TREATMENT PLANT) Do you know the name or location of the plant? |   |          |
|  | Yes, Pig's Eye, St. Paul, or main plant . . . 1 | 86 25    |
|  | Yes, other (SPECIFY). . . . 2                   | 70 20    |
|  | No . . . . . 3                                  | 192 55   |
|  | DK . . . . 8                                    | 14       |
|  | RA . . . . 9                                    | 0        |
|  | NA . . . . .                                    | 442      |
| <br><hr/> <p style="text-align: center;">(SPECIFY OTHER HERE)</p>  |   |          |

|   |                  | <u>Freq</u> | <u>%</u> |
|---|------------------|-------------|----------|
| QE5. In the past year, have you heard of or read anything about any events in the seven county Twin Cities area that relate to water quality and the environment? | Yes . . . . . 1  | 362         | 45       |
|   | No . . . . . 2   | 435         | 55       |
|   | (IF NO, GO TO 6) |             |          |
|   | DK . . . . 8     | 6           |          |
|   | RA . . . . 9     | 0           |          |

a. (IF YES) How did you receive the information?  
(DO NOT READ LIST; CIRCLE ALL MENTIONS)

|  | YES<br>1    | NO<br>2     | DK<br>8 | RA<br>9 | NA<br>. |             |
|--|-------------|-------------|---------|---------|---------|-------------|
| QE5a-1. Community/neighborhood events . . . . .                                      | 15<br>(4)   | 340<br>(96) | 7       | 0       | 441     | Freq<br>(%) |
| QE5a-2. Newsletters/mailings . . . . .   | 36<br>(10)  | 319<br>(90) | 7       | 0       | 441     |             |
| QE5a-3. Web sites or other computer sources . . . . .                                | 3<br>(1)    | 353<br>(99) | 7       | 0       | 441     |             |
| QE5a-4. Flyers/info included with water and sewer bills. . . . .                     | 13<br>(4)   | 342<br>(96) | 7       | 0       | 441     |             |
| QE5a-5. Special events such as speakers or wastewater treatment plant tours. . . . . | 2<br>(1)    | 353<br>(99) | 7       | 0       | 441     |             |
| QE5a-6. Media (newspapers, TV, radio) . . . . .                                      | 279<br>(78) | 76<br>(22)  | 7       | 0       | 441     |             |
| QE5a-7. Educational programs for students and teachers. . . . .                      | 8<br>(2)    | 347<br>(98) | 7       | 0       | 441     |             |
| QE5a-8. Other (SPECIFY). . . . .   | 43<br>(12)  | 312<br>(88) | 7       | 0       | 441     |             |

|  |                  |     |    |
|--|------------------|-----|----|
| QE5b. (IF YES) Did the information or experience change your attitudes toward water quality? | Yes . . . . . 1  | 113 | 31 |
|  | No . . . . . 2   | 247 | 69 |
|  | (IF NO, GO TO 6) |     |    |
|  | DK . . . . 8     | 2   |    |
|  | RA . . . . 9     | 0   |    |
|  | NA . . . . .     | 441 |    |

b-1. (IF YES) How did it change your attitudes?

---



---

6. How do you think information on water quality and environmental issues in the seven county Twin Cities area can BEST be presented to YOU?  
(DO NOT READ LIST; CIRCLE ALL MENTIONS)

|  | YES<br>1    | NO<br>2     | DK<br>8 | RA<br>9 |             |
|--|-------------|-------------|---------|---------|-------------|
| QE6a. Community/neighborhood events . . . . .                                      | 13<br>(2)   | 743<br>(98) | 43      | 4       | Freq<br>(%) |
| QE6b. Newsletters/mailings. . . . .  | 201<br>(27) | 555<br>(73) | 43      | 4       |             |
| QE6c. Web sites or other computer sources . . . . .                                | 22<br>(3)   | 734<br>(97) | 43      | 4       |             |
| QE6d. Flyers/info included with water and sewer bills . . . . .                    | 38<br>(5)   | 718<br>(95) | 43      | 4       |             |
| QE6e. Special events such as speakers or wastewater treatment plant tours. . . . . | 4<br>(1)    | 752<br>(99) | 43      | 4       |             |
| QE6f. Media (newspapers, TV, radio) . . . . .                                      | 592<br>(78) | 164<br>(22) | 43      | 4       |             |
| QE6g. Educational programs for students and teachers. . . . .                      | 9<br>(1)    | 747<br>(99) | 43      | 4       |             |
| QE6h. Other (SPECIFY) . . . . .  | 39<br>(5)   | 718<br>(95) | 43      | 4       |             |

(ROTATE ANSWER CATEGORIES ON Q7)

|   |                        | Freq | %  |
|---|------------------------|------|----|
| QE7. Which ONE of the following should be the MOST important activity for regional government . . . to improve odor control in treatment plants and sewer pipes, to get the state legislature to increase environmental protection, to reduce sewer rates, to control other sources of water pollution, or to increase activities that will educate the public about water quality? | Improve odor control 1 | 48   | 6  |
|   | Increase env protect 2 | 252  | 33 |
|   | Reduce sewer rates . 3 | 23   | 3  |
|   | Control water poll . 4 | 164  | 21 |
|   | Educate the public . 5 | 210  | 28 |
|   | All equal (VOL). . . 6 | 47   | 6  |
|   | Other (SPECIFY). . . 7 | 23   | 3  |
|   | DK . . . 8             | 26   |    |
|   | RA . . . 9             | 11   |    |

(SPECIFY OTHER HERE)

SEE APPENDIX B, PAGES B-2 TO B-4, FOR THE RESULTS ON EACH OF THE FIVE VERSIONS OF QE7

|   |                |     |    |
|---|----------------|-----|----|
| QE8. Do you think residential sewer bills should set aside money for activities to improve water quality in the seven county Twin Cities metropolitan area? | Yes. . . . . 1 | 639 | 84 |
|   | No . . . . . 2 | 119 | 16 |
|   | DK . . . . . 8 | 43  |    |
|   | RA . . . . . 9 | 2   |    |

(ROTATE ANSWER CATEGORIES ON Q9)

|  |                          | <u>Freq</u> | <u>%</u> |
|--|--------------------------|-------------|----------|
| QE9. In your opinion, which ONE of the following actions is MOST important as a way to improve water quality in the metropolitan area . . . improving storm water drainage systems, protecting and cleaning water drainage into lakes and rivers, or reducing run-off from farms and agricultural areas? | Improve drainage . . . 1 | 125         | 16       |
|  | Protect lakes/riv. . . 2 | 334         | 44       |
|  | Reduce ag runoff . . . 3 | 220         | 29       |
|  | All equal (VOL). . . 4   | 81          | 10       |
|  | Other (SPECIFY). . . 5   | 8           | 1        |
|  | DK . . . 8               | 32          |          |
|  | RA . . . 9               | 4           |          |

SEE APPENDIX B, PAGES B-4 TO B-5, FOR THE RESULTS ON EACH OF THE THREE VERSIONS OF QE9

|   |                |     |    |
|---|----------------|-----|----|
| QE10. Should a water pollution charge be added to the cost of lawn fertilizers? | Yes. . . . . 1 | 524 | 70 |
|   | No . . . . . 2 | 227 | 30 |
|   | DK . . . . . 8 | 47  |    |
|   | RA . . . . . 9 | 5   |    |

11. When people (READ LIST), how important is it for them to consider the effect of those products on water quality . . . very important, somewhat important, not very important, or not at all important?

|   | VERY<br>IMPORT<br>1 | SOMEWHAT<br>IMPORT<br>2 | NOT<br>VERY<br>IMPORT<br>3 | NOT<br>AT ALL<br>IMPORT<br>4 | DK<br>8 | RA<br>9 |             |
|---|---------------------|-------------------------|----------------------------|------------------------------|---------|---------|-------------|
| QE11a. Purchase products like household cleaners and automotive products . . . . (79) | 627                 | 147<br>(18)             | 19<br>(2)                  | 4<br>(1)                     | 6       | 0       | Freq<br>(%) |
| QE11b. Purchase lawn fertilizer and other lawn products . . (79)                      | 629                 | 149<br>(19)             | 18<br>(2)                  | 4<br>(1)                     | 4       | 0       |             |
| QE11c. Dispose of paint, oil, and other products. . . . (92)                          | 741                 | 52<br>(6)               | 4<br>(1)                   | 4<br>(1)                     | 1       | 1       |             |

RANDOM START E11: \_\_\_\_\_

|   |                            |     |    |
|---|----------------------------|-----|----|
| QE12. Now I have a few questions on TREATING wastewater. Which is MOST important in treating wastewater . . . how much it costs, how it affects the environment, or something else? | Cost . . . . . 1           | 48  | 6  |
|   | Environment. . . . . 2     | 639 | 83 |
|   | Both (VOLUNTEERED) . . . 3 | 73  | 10 |
|   | Other (SPECIFY). . . . . 4 | 9   | 1  |
|   | DK . . . . . 8             | 29  |    |
|   | RA . . . . . 9             | 5   |    |

|  |                |     |    |
|--|----------------|-----|----|
| QE13. Are you aware of any problems related to AIR quality that result from treating wastewater? | Yes. . . . . 1 | 72  | 9  |
|  | No . . . . . 2 | 722 | 91 |
|  | DK . . . . . 8 | 8   |    |
|  | RA . . . . . 9 | 1   |    |



|  |               | <u>Freq</u> | <u>%</u> |
|--|---------------|-------------|----------|
| QE14. Are you aware of any negative neighborhood impact, such as increased truck traffic, that results from treating wastewater? | Yes . . . . . | 1 44        | 6        |
|  | No . . . . .  | 2 753       | 94       |
|  | DK . . . . .  | 8 5         |          |
|  | RA . . . . .  | 9 1         |          |

|   |                   |       |    |
|---|-------------------|-------|----|
| QE15. After sewage has been treated and the water has been removed, a sewage byproduct called sludge is all that remains. The treated sludge can then be used as a road and building construction material, as an application for spreading on agricultural lands, or in other ways. Do you have any concerns about these uses of treated sludge? | Yes . . . . .     | 1 204 | 27 |
|   | No . . . . .      | 2 561 | 73 |
|   | (IF NO, GO TO 16) |       |    |
|   | DK . . . . .      | 8 34  |    |
|   | RA . . . . .      | 9 4   |    |

a. (IF YES) What are your concerns?

---

(ROTATE ANSWER CATEGORIES ON Q16)

|   |                                    |       |    |
|---|------------------------------------|-------|----|
| QE16. Which ONE of the following is MOST important in replacing outdated equipment to treat wastewater . . . selecting equipment that reduces air emissions, selecting equipment that limits negative effects on nearby neighborhoods such as truck traffic or odor, or selecting equipment that produces a treated sludge that can be used for other purposes? | Reducing emissions . . . . .       | 1 195 | 27 |
|   | Limiting neg impacts . . . . .     | 2 133 | 18 |
|   | Producing treated sludge . . . . . | 3 316 | 44 |
|   | All equal (VOL) . . . . .          | 4 66  | 9  |
|   | Other (SPECIFY) . . . . .          | 5 12  | 2  |
|   | DK . . . . .                       | 8 67  |    |
|   | RA . . . . .                       | 9 15  |    |

(SPECIFY OTHER HERE)

SEE APPENDIX B, PAGES B-6 TO B-7, FOR THE RESULTS ON EACH OF THE THREE VERSIONS OF QE16

|  |  |       |    |
|--|--|-------|----|
| QE17. When making decisions about the wastewater treatment process, should more emphasis be placed on the preferences of those who live in neighborhoods that are close by, or should the preferences of all metro area residents have equal emphasis? | More emphasis on those who live close by . . . . . | 1 203 | 26 |
|  | All residents equal emphasis . . . . .             | 2 584 | 74 |
|  | DK . . . . .                                       | 8 13  |    |
|  | RA . . . . .                                       | 9 4   |    |

| QE18. What county do you live in? |              | Freq | <u>%</u> |
|-----------------------------------|--------------|------|----------|
| Anoka . . . . .                   | .02          | 82   | 10       |
| Carver . . . . .                  | .10          | 18   | 2        |
| Dakota . . . . .                  | .19          | 98   | 12       |
| Hennepin . . . . .                | .27          | 368  | 46       |
| Ramsey . . . . .                  | .62          | 162  | 20       |
| Scott . . . . .                   | .70          | 21   | 3        |
| Washington . . . . .              | .82          | 55   | 7        |
|                                   | DK . . . . . | .88  | 0        |
|                                   | RA . . . . . | .99  | 0        |

(IF ANY COUNTY OTHER THAN HENNEPIN COUNTY, GO TO F4 ON PAGE 40)

(IF DK OR RA, CONTINUE WITH HENNEPIN COUNTY QUESTIONS)

-----  
**F. HENNEPIN COUNTY GOVERNMENT**  
 -----

Now I have some questions about your county government.

| 1. Are you aware that HENNEPIN COUNTY is the government unit that<br>(READ LIST)? | YES         | NO          | DK | RA | NA  |             |
|---|-------------|-------------|----|----|-----|-------------|
|   | 1           | 2           | 8  | 9  | .   |             |
| ___ QF1a. Operates a jail . . . . .   | 338<br>(92) | 29<br>(8)   | 1  | 0  | 435 | Freq<br>(%) |
| ___ QF1b. Provides shelter for the<br>homeless. . . . .                           | 302<br>(82) | 65<br>(18)  | 1  | 0  | 435 |             |
| ___ QF1c. Builds and maintains county<br>roads . . . . .                          | 344<br>(94) | 23<br>(6)   | 0  | 0  | 435 |             |
| ___ QF1d. Operates a fire department. . .   | 252<br>(69) | 113<br>(31) | 2  | 0  | 435 |             |
| ___ QF1e. Plows the snow on county roads.   | 344<br>(94) | 23<br>(6)   | 0  | 0  | 435 |             |
| ___ QF1f. Provides job training . . . . .   | 278<br>(76) | 87<br>(24)  | 2  | 0  | 435 |             |
| ___ QF1g. Operates the SUBURBAN library<br>system. . . . .                        | 334<br>(91) | 34<br>(9)   | 0  | 0  | 435 |             |
| ___ QF1h. Operates an incinerator that<br>burns garbage . . . . .                 | 277<br>(76) | 86<br>(24)  | 4  | 0  | 435 |             |
| ___ QF1i. Operates a hospital . . . . .   | 322<br>(88) | 45<br>(12)  | 1  | 0  | 435 |             |
| ___ QF1j. Operates the District court<br>system. . . . .                          | 340<br>(92) | 28<br>(8)   | 0  | 0  | 435 |             |
| ___ QF1k. Conducts restaurant inspections   | 272<br>(75) | 92<br>(25)  | 4  | 0  | 435 |             |
| ___ QF1l. Coordinates the collection of<br>money for child support . . . . .      | 291<br>(79) | 76<br>(21)  | 1  | 0  | 435 |             |

RANDOM START F1: \_\_\_\_\_

|   | <u>Freq</u>                         | <u>%</u> |
|---|-------------------------------------|----------|
| QF2. Where do you MOST OFTEN get your information about Hennepin County government programs and services? (DO NOT READ LIST; PROBE FOR ONE SPECIFIC ANSWER)                           |                                     |          |
| _____   |                                     |          |
| _____   |                                     |          |
|   | Star Tribune . . .01                | 103 30   |
|   | Community/nbrhood newspapers. . .02 | 28 8     |
|   | Other newspapers .03                | 33 9     |
|   | TV news. . . . .04                  | 47 14    |
|   | Other (SPECIFY). .05                | 79 23    |
|   | Radio. . . . .06                    | 4 1      |
|   | Word of mouth. . .07                | 15 4     |
|   | Mail . . . . .08                    | 22 6     |
|   | Phone. . . . .09                    | 17 5     |
|   | DK . . .88                          | 18       |
|   | RA . . .99                          | 1        |
|   | NA . . . .                          | 435      |
| QF3. Are you interested in learning more about services that Hennepin County provides to county residents?  |                                     |          |
|   | Yes. . . . .1                       | 172 47   |
|   | No . . . . .2                       | 193 53   |
|   | (IF NO, GO TO 4)                    |          |
|   | DK . . . .8                         | 3        |
|   | RA . . . .9                         | 0        |
|   | NA . . . .                          | 435      |
| QF3a. (IF YES) Would you prefer to learn more about these county services through town meetings, a citizens' report sent to your home, a telephone answer line, or in some other way? |                                     |          |
| _____   |                                     |          |
| (SPECIFY SOME OTHER WAY)  |                                     |          |
|   | Town meetings. . . 1                | 12 7     |
|   | Citizens' report . 2                | 113 67   |
|   | Telephone. . . . .3                 | 21 12    |
|   | Some other way . . 4                | 22 13    |
|   | DK . . . .8                         | 3        |
|   | RA . . . .9                         | 1        |
|   | NA . . . .                          | 631      |
| QF3a-1. (IF CITIZENS' REPORT) Would you prefer to have a citizens' report mailed to your home, or would you be willing to pick it up at a public location such as a library?          |                                     |          |
|   | Mailed to my home. 1                | 62 58    |
|   | Willing to pick up 2                | 45 42    |
|   | DK . . . .8                         | 6        |
|   | RA . . . .9                         | 0        |
|   | NA . . . .                          | 690      |

|                            |   | <u>Freq</u> | <u>%</u> |
|----------------------------|---|-------------|----------|
| QF4. Do you have cable TV? | Yes . . . . . 1                                 | 512         | 64       |
|                            | No . . . . . 2                                  | 291         | 36       |
|                            | (IF NO AND HENN COUNTY, GO TO 5)                |             |          |
|                            | (IF NO AND NOT HENN COUNTY, GO TO NEXT SECTION) |             |          |
|                            | DK . . . . 8                                    | 0           |          |
|                            | RA . . . . 9                                    | 0           |          |

|  |                        |     |    |
|--|------------------------|-----|----|
| QF4a. (IF YES TO Q4, HENNEPIN COUNTY ONLY)   | Yes, Board mtgs. . . 1 | 51  | 22 |
| Have you ever seen Hennepin County Board meetings or the show "Hennepin People" on cable TV? | Yes, "Henn People" 2   | 10  | 4  |
|  | Yes, both. . . . . 3   | 52  | 22 |
|  | No . . . . . 4         | 117 | 51 |
|  | DK . . . . 8           | 2   |    |
|  | RA . . . . 9           | 0   |    |
|  | NA . . . . .           | 571 |    |

|  |                |     |    |
|--|----------------|-----|----|
| QF4b. (IF YES TO Q4, ALL COUNTIES) Have you ever seen the show called "A Public Health Journal" on cable TV? | Yes. . . . . 1 | 60  | 12 |
|  | No . . . . . 2 | 442 | 88 |
|  | DK . . . . 8   | 10  |    |
|  | RA . . . . 9   | 0   |    |
| (IF HENNEPIN COUNTY, CONTINUE)   | NA . . . . .   | 291 |    |
| (IF NOT HENNEPIN COUNTY, GO TO NEXT SECTION)   |                |     |    |

|  |                |     |    |
|--|----------------|-----|----|
| QF5. Does anyone in your household use closed captioning when watching TV?   | Yes. . . . . 1 | 15  | 4  |
|  | No . . . . . 2 | 352 | 96 |
|  | DK . . . . 8   | 1   |    |
| (INTERVIEWER: CLOSED CAPTIONING IS WHEN THE AUDIO, OR HEARING, PART OF THE TV PROGRAM IS PRINTED AT THE BOTTOM OF THE TV SCREEN) | RA . . . . 9   | 0   |    |
|  | NA . . . . .   | 435 |    |

6. THERE IS NO QUESTION 6 ON THIS SURVEY

7. (IF NO ACCESS TO INTERNET ON QD4, GO TO 8)

|   |                      |     |    |
|---|----------------------|-----|----|
| QF7a. (IF YES TO QD4) How likely are you to use the Internet to get information about Hennepin County or your County Commissioner . . . very likely, somewhat likely, or not very likely? | Very likely. . . . 1 | 30  | 13 |
|   | Somewhat likely: . 2 | 54  | 24 |
|   | Not very likely. . 3 | 145 | 63 |
|   | DK . . . . 8         | 2   |    |
|   | RA . . . . 9         | 0   |    |
|   | NA . . . . .         | 573 |    |

8. Now I am going to read some statements about county government. For each one, I'd like you to tell me if you strongly agree, agree, disagree, or strongly disagree. (READ LIST) Do you strongly agree, agree, disagree, or strongly disagree?

|   |                            | <u>Freq</u> | <u>%</u> |
|---|----------------------------|-------------|----------|
| <p>___ QF8a. Too large a portion of Hennepin County government spending pays for programs that serve only poor and disadvantaged people.</p>  | Strongly agree . . . . .   | 1 25        | 8        |
|   | Agree . . . . .            | 2 118       | 35       |
|   | Disagree . . . . .         | 3 162       | 48       |
|   | Strongly disagree. . . . . | 4 31        | 9        |
|   | DK . . . . .               | 8 27        |          |
|   | RA . . . . .               | 9 4         |          |
|   | NA . . . . .               | 435         |          |
| <p>___ QF8b. Overall, Hennepin County does a reasonably good job of managing tax dollars and limiting spending to ESSENTIAL programs and services.</p>  | Strongly agree . . . . .   | 1 27        | 8        |
|   | Agree . . . . .            | 2 205       | 60       |
|   | Disagree . . . . .         | 3 90        | 26       |
|   | Strongly disagree. . . . . | 4 20        | 6        |
|   | DK . . . . .               | 8 22        |          |
|   | RA . . . . .               | 9 4         |          |
|   | NA . . . . .               | 435         |          |
| <p>___ QF8c. Hennepin County spends most of its budget for services to people in need. The County Board also has chosen to spend additional property tax dollars for programs it thinks will prevent people from BECOMING needy and requiring more help. Even though there are no guarantees that prevention programs will work, this prevention strategy is a good one for the county to continue.</p> | Strongly agree . . . . .   | 1 61        | 18       |
|   | Agree . . . . .            | 2 201       | 59       |
|   | Disagree . . . . .         | 3 65        | 19       |
|   | Strongly disagree. . . . . | 4 14        | 4        |
|   | DK . . . . .               | 8 20        |          |
|   | RA . . . . .               | 9 6         |          |
|   | NA . . . . .               | 435         |          |
| <p>___ QF8d. Property taxes should be reduced, even if it means a reduction in services that you regularly use.</p>   | Strongly agree . . . . .   | 1 42        | 12       |
|   | Agree . . . . .            | 2 94        | 26       |
|   | Disagree . . . . .         | 3 179       | 50       |
|   | Strongly disagree. . . . . | 4 40        | 11       |
|   | DK . . . . .               | 8 10        |          |
|   | RA . . . . .               | 9 2         |          |
|   | NA . . . . .               | 435         |          |
| <p>___ QF8e. Hennepin County's solid waste management fee costs a homeowner between 28 and 30 dollars a year. This fee is worth it to maintain the county's environmental management objectives.</p>  | Strongly agree . . . . .   | 1 109       | 32       |
|   | Agree . . . . .            | 2 212       | 61       |
|   | Disagree . . . . .         | 3 20        | 6        |
|   | Strongly disagree. . . . . | 4 5         | 1        |
|   | DK . . . . .               | 8 17        |          |
|   | RA . . . . .               | 9 4         |          |
|   | NA . . . . .               | 435         |          |
| <p>___ QF8f. Hennepin County government employees provide quality services to their customers.</p>  | Strongly agree . . . . .   | 1 26        | 7        |
|   | Agree . . . . .            | 2 254       | 73       |
|   | Disagree . . . . .         | 3 62        | 18       |
|   | Strongly disagree. . . . . | 4 6         | 2        |
|   | DK . . . . .               | 8 17        |          |
|   | RA . . . . .               | 9 3         |          |
|   | NA . . . . .               | 435         |          |

RANDOM START F8: \_\_\_\_\_

|   |  | <u>Freq</u> | <u>%</u> |
|---|--|-------------|----------|
| QF9. Should Hennepin County build a new jail for people who have been arrested and are awaiting court appearances, or should the County develop other alternatives that may allow nonviolent people to be released back to their community until trial?   | Build a new jail . . . . .                 | 108         | 32       |
|   | Other alternative. . . . .                 | 227         | 67       |
|   | (IF OTHER ALTERNATIVE, GO TO NEXT SECTION) |             |          |
|   | Both (VOLUNTEERED) . . . . .               | 2           | 1        |
|   | DK . . . . .                               | 24          |          |
|   | RA . . . . .                               | 6           |          |
|   | NA . . . . .                               | 435         |          |
| QF9a. (IF BUILD A NEW JAIL OR BOTH) To pay for the cost of BUILDING a new jail, County taxpayers would need to pay an additional \$20 to \$45 per year, depending on their home value. Based on this information, would you strongly favor, favor, oppose, or strongly oppose building a new jail for people who have been arrested and are awaiting court appearances? | Strongly favor . . . . .                   | 26          | 24       |
|   | Favor. . . . .                             | 65          | 61       |
|   | Oppose . . . . .                           | 10          | 10       |
|   | Strongly oppose. . . . .                   | 6           | 5        |
|   | DK . . . . .                               | 1           |          |
|   | RA . . . . .                               | 2           |          |
|   | NA . . . . .                               | 692         |          |

-----  
**G. DEMOGRAPHICS**  
 -----

Before ending this interview I have a few remaining background questions.

1. THERE IS NO QUESTION 1 ON THIS SURVEY

QG2. What is your zip code?

**SEE APPENDIX B,  
 PAGES B-7 TO B-10**

QG3. Do you own or rent your residence?

|                          |              |     |    |
|--------------------------|--------------|-----|----|
| Own. . . . .             | 1            | 638 | 80 |
| Rent . . . . .           | 2            | 159 | 20 |
| Other (SPECIFY). . . . . | 3            | 1   | 0  |
|                          | DK . . . . . | 8   | 0  |
|                          | RA . . . . . | 9   | 5  |

\_\_\_\_\_  
 (SPECIFY OTHER HERE)

QG4. What kind of housing unit do you live in? (DO NOT READ LIST)

|                                    |              |     |    |
|------------------------------------|--------------|-----|----|
| Single family detached . . . . .   | 1            | 604 | 76 |
| Townhouse. . . . .                 | 2            | 47  | 6  |
| Duplex or 2-unit building. . . . . | 3            | 36  | 4  |
| Apartment building . . . . .       | 4            | 92  | 12 |
| Mobile home. . . . .               | 5            | 11  | 1  |
| Condominium. . . . .               | 6            | 10  | 1  |
| Something else (SPECIFY) . . . . . | 7            | 0   |    |
|                                    | DK . . . . . | 8   | 1  |
|                                    | RA . . . . . | 9   | 3  |

\_\_\_\_\_  
 (SPECIFY OTHER HERE)

(CODE 4-PLEX AND TRI-PLEX  
 AS APARTMENT)

|  |                      | <u>Freq</u> | <u>%</u> |
|--|----------------------|-------------|----------|
| QG5. Are you married, single, divorced, separated, or widowed? | Married. . . . . 1   | 484         | 61       |
|  | Single . . . . . 2   | 210         | 26       |
|  | Divorced . . . . . 3 | 66          | 8        |
|  | Separated. . . . . 4 | 5           | 1        |
|  | Widowed. . . . . 5   | 30          | 4        |
|  | DK . . . . . 8       | 1           |          |
|  | RA . . . . . 9       | 7           |          |

QG6. What year were you born?

SEE APPENDIX B,  
PAGES B-10 TO B-11

SEE APPENDIX B, PAGES B-12 TO B-13,  
FOR AGE (COMPUTED FROM QG6)

|   |   |     |    |
|---|---|-----|----|
| QG7. What is the highest level of school you have completed? (DO NOT READ LIST) | Less than high school .01                 | 13  | 2  |
|   | Some high school. . . .02                 | 25  | 3  |
|   | High school graduate. .03                 | 174 | 22 |
|   | Some technical school .04                 | 20  | 2  |
|   | Technical school grad .05                 | 59  | 7  |
|   | Some college. . . . .06                   | 179 | 23 |
|   | College graduate. . . .07                 | 226 | 28 |
|   | Post graduate or professional degree. .08 | 98  | 12 |
|   | Other (SPECIFY) . . . .09                 | 0   |    |
|   | DK . . . . .88                            | 0   |    |
|   | RA . . . . .99                            | 9   |    |

---

(SPECIFY OTHER HERE)

QG8. What race do you consider yourself?

|   |     |    |
|---|-----|----|
| White/Caucasian . . . . . 1                   | 713 | 91 |
| Mexican/Hispanic. . . . . 2                   | 9   | 1  |
| Black/African American. . . . . 3             | 28  | 4  |
| American Indian . . . . . 4                   | 7   | 1  |
| Oriental/Asian. . . . . 5                     | 15  | 2  |
| Mixed, no dominant racial identification. . 6 | 4   | 0  |
| Other (SPECIFY) . . . . . 7                   | 10  | 1  |
| DK . . . . . 8                                | 1   |    |
| RA . . . . . 9                                | 15  |    |

---

(SPECIFY OTHER HERE)

|   |                            | <u>Freq</u> | <u>%</u> |    |     |      |
|---|----------------------------|-------------|----------|----|-----|------|
| QG9. Generally speaking, do you usually think of yourself as a Republican, a Democrat, an Independent, or what?           | Republican . . . . . 1     | 193         | 26       |    |     |      |
|   | Democrat . . . . . 2       | 258         | 34       |    |     |      |
|   | Independent. . . . . 3     | 271         | 36       |    |     |      |
|   | Other (SPECIFY). . . . . 4 | 29          | 4        |    |     |      |
|   | DK . . . . . 8             | 24          |          |    |     |      |
|   | RA . . . . . 9             | 28          |          |    |     |      |
| (SPECIFY OTHER HERE)  |                            |             |          |    |     |      |
| QG9a. (IF REPUBLICAN) Would you call yourself a strong Republican or a not very strong Republican?                        | Strong . . . . . 1         | 80          | 42       |    |     |      |
|   | Not very strong. . . . . 2 | 112         | 58       |    |     |      |
|   | DK . . . . . 8             | 1           |          |    |     |      |
|   | RA . . . . . 9             | 0           |          |    |     |      |
|   | NA . . . . .               | 610         |          |    |     |      |
| QG9b. (IF DEMOCRAT) Would you call yourself a strong Democrat or a not very strong Democrat?                              | Strong . . . . . 1         | 129         | 51       |    |     |      |
|   | Not very strong. . . . . 2 | 125         | 49       |    |     |      |
|   | DK . . . . . 8             | 3           |          |    |     |      |
|   | RA . . . . . 9             | 1           |          |    |     |      |
|   | NA . . . . .               | 545         |          |    |     |      |
| QG9c. (IF INDEPENDENT, OTHER, DK, OR RA) Do you think of yourself as closer to the Republican or to the Democratic party? | Republican . . . . . 1     | 86          | 30       |    |     |      |
|   | Democratic . . . . . 2     | 94          | 33       |    |     |      |
|   | Neither (VOL). . . . . 3   | 105         | 37       |    |     |      |
|   | DK . . . . . 8             | 42          |          |    |     |      |
|   | RA . . . . . 9             | 25          |          |    |     |      |
|   | NA . . . . .               | 451         |          |    |     |      |
| SEE APPENDIX B, PAGE B-13, FOR PARTYID (COMPUTED FROM QG9 TO QG9C)  |                            |             |          |    |     |      |
| QG10. Did you have a paying job last week?  | Yes. . . . . 1             | 633         | 79       |    |     |      |
|   | No . . . . . 2             | 168         | 21       |    |     |      |
|   | DK . . . . . 8             | 0           |          |    |     |      |
|   | RA . . . . . 9             | 3           |          |    |     |      |
|   |                            |             |          |    |     |      |
| QG10a. (IF YES) Were you working full-time or part-time?  | Full-time. . . . . 1       | 524         | 83       |    |     |      |
|   | Part-time. . . . . 2       | 107         | 17       |    |     |      |
|   | DK . . . . . 8             | 1           |          |    |     |      |
|   | RA . . . . . 9             | 0           |          |    |     |      |
|   | NA . . . . .               | 170         |          |    |     |      |
| b. (IF NO) Do you consider yourself retired, unemployed, a student, or a homemaker?                                       |                            |             |          |    |     |      |
|   | YES                        | NO          | DK       | RA | NA  |      |
|   | 1                          | 2           | 8        | 9  | .   |      |
|   | 99                         | 65          | 4        | 0  | 635 | Freq |
| QG10b-1. Retired . . . . . (60)   | (40)                       |             |          |    |     | (%)  |
|   | 13                         | 151         | 4        | 0  | 635 |      |
| QG10b-2. Unemployed. . . . . (8)  | (92)                       |             |          |    |     |      |
|   | 17                         | 147         | 4        | 0  | 635 |      |
| QG10b-3. A student . . . . . (10)   | (90)                       |             |          |    |     |      |
|   | 40                         | 124         | 4        | 0  | 635 |      |
| QG10b-4. A homemaker . . . . . (24)   | (76)                       |             |          |    |     |      |



QG11. How many people are living in your household now INCLUDING YOURSELF?

SEE APPENDIX B,  
PAGE B-14  
(IF LIVE ALONE, GO TO 12)

QG11a. (IF MORE THAN ONE) How many of these are under 18?

SEE APPENDIX B,  
PAGE B-14

(IF NONE, ENTER "0")

QG12. Now I'd like to know the employment status of the person in your household who contributed most to the household income in 1996.

|   |   | Freq  | %  |
|---|---|-------|----|
| Is this person you or someone else in your household? | Respondent . . . . .                    | 1 461 | 60 |
|   | (IF RESPONDENT, GO TO 13)               |       |    |
|   | Someone else . . . . .                  | 2 302 | 40 |
|   | Someone no longer in household. . . . . | 3 2   | 0  |
|   | (IF NOT IN HH, GO TO 13)                |       |    |
|   | DK . . . . .                            | 8 18  |    |
|   | RA . . . . .                            | 9 19  |    |
|   | NA . . . . .                            |       |    |

|   |              |       |    |
|---|--------------|-------|----|
| QG12a. (IF SOMEONE ELSE) Did this person have a paying job last week? | Yes. . . . . | 1 262 | 87 |
|   | No . . . . . | 2 40  | 13 |
|   | DK . . . . . | 8 0   |    |
|   | RA . . . . . | 9 0   |    |
|   | NA . . . . . | 501   |    |

|   |                    |       |    |
|---|--------------------|-------|----|
| QG12a-1. (IF YES) Were they working full-time or part-time? | Full-time. . . . . | 1 251 | 96 |
|   | Part-time. . . . . | 2 10  | 4  |
|   | DK . . . . .       | 8 0   |    |
|   | RA . . . . .       | 9 0   |    |
|   | NA . . . . .       | 541   |    |

a-2. (IF NO) Are they retired, unemployed, a student, or a homemaker?

|                                | YES  | NO    | DK | RA | NA  |          |
|--------------------------------|------|-------|----|----|-----|----------|
|                                | 1    | 2     | 8  | 9  | .   |          |
| QG12a-2a. Retired. . . . .     | 35   | 4     | 1  | 0  | 763 | Freq (%) |
|                                | (89) | (11)  |    |    |     |          |
| QG12a-2b. Unemployed . . . . . | 4    | 36    | 1  | 0  | 763 |          |
|                                | (9)  | (91)  |    |    |     |          |
| QG12a-2c. A student. . . . .   | 0    | 39    | 1  | 0  | 763 |          |
|                                | (-)  | (100) |    |    |     |          |
| QG12a-2d. A homemaker. . . . . | 1    | 38    | 1  | 0  | 763 |          |
|                                | (2)  | (98)  |    |    |     |          |

|  |                                      | <u>Freq</u> | <u>%</u> |
|--|--------------------------------------|-------------|----------|
| QG13. Was your total household income in 1996<br>above or below \$35,000?  | Above. . . . . 1                     | 558         | 79       |
|  | Below. . . . . 2                     | 149         | 21       |
|  | (IF BELOW, GO TO 13b)                |             |          |
|  | DK . . . . . 8                       | 41          |          |
|  | RA . . . . . 9                       | 56          |          |
|  | (IF DK OR RA, GO TO 15)              |             |          |
| QG13a. (IF ABOVE) I am going to mention<br>a number of income categories. When<br>I come to the category which describes<br>your total household income BEFORE<br>taxes in 1996, please stop me. | 35 to 40,000 . . .08                 | 54          | 10       |
|  | 40 to 50,000 . . .09                 | 96          | 18       |
|  | 50 to 60,000 . . .10                 | 89          | 17       |
|  | 60 to 70,000 . . .11                 | 91          | 17       |
|  | 70 to 80,000 . . .12                 | 50          | 10       |
|  | 80,000 or more . .13                 | 143         | 27       |
|  | DK . . . . .88                       | 10          |          |
|  | RA . . . . .99                       | 25          |          |
|  | NA . . . . .                         | 246         |          |
| QG13b. (IF BELOW) I am going to mention<br>a number of income categories. When<br>I come to the category which describes<br>your total household income BEFORE<br>taxes in 1996, please stop me. | Under 5,000. . . .01                 | 4           | 3        |
|  | 5 to 10,000. . . .02                 | 8           | 6        |
|  | 10 to 15,000 . . .03                 | 11          | 8        |
|  | 15 to 20,000 . . .04                 | 23          | 17       |
|  | 20 to 25,000 . . .05                 | 27          | 20       |
|  | 25 to 30,000 . . .06                 | 38          | 28       |
|  | 30 to 35,000 . . .07                 | 23          | 17       |
|  | DK . . . . .88                       | 8           |          |
|  | RA . . . . .99                       | 5           |          |
| NA . . . . .   | 654                                  |             |          |
| QG14. This income figure you just gave me includes<br>the income of everyone who was living in your<br>household in 1996. Is that correct?<br>(IF NO, REPEAT QUESTION 13)                        | Yes . . . . . 1                      | 687         | 100      |
|  | No . . . . . 2                       | 0           | -        |
|  | DK . . . . . 8                       | 5           |          |
|  | RA . . . . . 9                       | 14          |          |
|  | NA . . . . .                         | 96          |          |
| QG15. How many persons in the household contributed<br>earnings or income that was part of the total<br>household income you gave me for 1996?   | <b>SEE APPENDIX B,<br/>PAGE B-15</b> |             |          |
| (ASK ONLY IF UNSURE)   |                                      |             |          |
| QG16. Respondent is  | Male . . . . . 1                     | 394         | 49       |
|  | Female . . . . . 2                   | 409         | 51       |

Thank you for answering all these questions. I really appreciate your time.

(IF A RESPONDENT ASKS FOR SURVEY RESULTS,  
HAVE THEM CONTACT ROSSANA ARMSON AT 612/627-4282  
DURING BUSINESS HOURS 9 AM TO 5 P.M.)

INTERVIEWER COMMENTS:

## APPENDIX A

## OPEN-ENDED RESPONSES

| <u>VARIABLE</u> | <u>DESCRIPTION</u>                                  | <u>PAGE</u> |
|-----------------|---|-------------|
| QA2             | Most important TC problem . . . . .                 | A-2         |
| QA3A            | Other probs facing TC residents - 1st resp. . . . . | A-4         |
| A3AGRP          | Other important TC problem - 1 grouped. . . . .     | A-6         |
| QA3B            | Other probs facing TC residents - 2nd resp. . . . . | A-6         |
| A3BGRP          | Other important TC problem - 2 grouped. . . . .     | A-8         |
| MRPROB          | Most important problem in Twin Cities - MR. . . . . | A-9         |

## QA2 MOST IMPORTANT TC PROBLEM

| Value Label          | Value  | Frequency | Percent | Valid Percent | Cum Percent |
|----------------------|--------|-----------|---------|---------------|-------------|
| TAXES                | 10000  | 7         | .8      | .9            | .9          |
| Income               | 10100  | 4         | .5      | .6            | 1.4         |
| Sales                | 10200  | 1         | .1      | .1            | 1.6         |
| Property             | 10300  | 36        | 4.5     | 4.7           | 6.2         |
| EDUCATION            | 20000  | 15        | 1.8     | 1.9           | 8.1         |
| Quality of education | 20100  | 31        | 3.9     | 4.0           | 12.1        |
| Financing education  | 20200  | 7         | .8      | .9            | 13.0        |
| Availability         | 20400  | 1         | .1      | .1            | 13.1        |
| Water quality        | 30102  | 1         | .2      | .2            | 13.2        |
| Noise pollution      | 30104  | 1         | .2      | .2            | 13.4        |
| Weather              | 30600  | 16        | 2.0     | 2.1           | 15.5        |
| ECONOMY              | 40000  | 17        | 2.1     | 2.2           | 17.7        |
| Unemployment         | 40100  | 9         | 1.2     | 1.2           | 18.9        |
| Quality jobs         | 40103  | 2         | .2      | .2            | 19.1        |
| Wages                | 40104  | 8         | 1.0     | 1.0           | 20.1        |
| Quantity of jobs     | 40106  | 5         | .6      | .6            | 20.7        |
| Savings/investments  | 40300  | 4         | .5      | .5            | 21.2        |
| Business climate     | 40400  | 2         | .2      | .2            | 21.4        |
| Attracting business  | 40401  | 1         | .2      | .2            | 21.6        |
| HEALTH CARE          | 50000  | 1         | .1      | .1            | 21.7        |
| Cost of hlth care    | 50100  | 2         | .3      | .3            | 22.0        |
| Avail of hlth care   | 50300  | 4         | .5      | .5            | 22.5        |
| Elderly              | 50400  | 1         | .1      | .1            | 22.6        |
| TRANSPORATION        | 60000  | 17        | 2.2     | 2.2           | 24.8        |
| Traffic              | 60100  | 35        | 4.4     | 4.5           | 29.4        |
| Road construction    | 60200  | 10        | 1.3     | 1.3           | 30.7        |
| Drunk driving        | 60600  | 1         | .1      | .1            | 30.8        |
| Mass transit         | 60700  | 25        | 3.1     | 3.2           | 34.0        |
| Light rail transit   | 60701  | 5         | .6      | .6            | 34.7        |
| HOUSING              | 70000  | 0         | .0      | .0            | 34.7        |
| HOUSING - cost       | 70100  | 4         | .5      | .5            | 35.2        |
| Availability         | 70200  | 2         | .2      | .2            | 35.4        |
| FOOD - shortage      | 80200  | 1         | .2      | .2            | 35.6        |
| GOVERNMENT           | 90000  | 7         | .9      | .9            | 36.5        |
| Legislature          | 90100  | 1         | .1      | .2            | 36.7        |
| Funding              | 90400  | 1         | .2      | .2            | 36.8        |
| Stadium issue        | 90700  | 15        | 1.8     | 1.9           | 38.7        |
| CRIME                | 110000 | 209       | 26.1    | 27.0          | 65.7        |
| Criminal justice sys | 110100 | 5         | .6      | .6            | 66.3        |
| Drug-related crime   | 110200 | 14        | 1.8     | 1.8           | 68.1        |
| Crimes by youth      | 110300 | 19        | 2.4     | 2.5           | 70.6        |
| Gangs                | 110400 | 48        | 6.0     | 6.2           | 76.8        |
| Guns                 | 110500 | 6         | .7      | .8            | 77.6        |

## QA2 MOST IMPORTANT TC PROBLEM (continued)

| Value Label        | Value  | Frequency | Percent | Valid Percent | Cum Percent |
|--------------------|--------|-----------|---------|---------------|-------------|
| SOCIAL ISSUES      | 130000 | 7         | .8      | .8            | 78.4        |
| Abuse              | 130100 | 1         | .1      | .1            | 78.6        |
| Welfare            | 130200 | 9         | 1.2     | 1.2           | 79.8        |
| Welfare abuses     | 130201 | 4         | .5      | .5            | 80.3        |
| Not enough welfare | 130202 | 1         | .1      | .1            | 80.4        |
| Discrimination     | 130400 | 18        | 2.2     | 2.3           | 82.7        |
| Drugs              | 130500 | 26        | 3.2     | 3.3           | 86.0        |
| Other drug use     | 130502 | 2         | .3      | .3            | 86.3        |
| Morality           | 130600 | 4         | .4      | .5            | 86.7        |
| Religion           | 130601 | 6         | .7      | .7            | 87.5        |
| Immigration        | 130700 | 2         | .2      | .2            | 87.7        |
| Poverty            | 130800 | 12        | 1.5     | 1.5           | 89.2        |
| Homeless           | 131000 | 17        | 2.1     | 2.2           | 91.4        |
| Gambling           | 131100 | 1         | .1      | .1            | 91.5        |
| Population         | 131200 | 9         | 1.1     | 1.2           | 92.6        |
| Urban sprawl       | 131300 | 15        | 1.8     | 1.9           | 94.5        |
| FAMILY             | 140000 | 6         | .7      | .7            | 95.2        |
| Daycare cost       | 140101 | 1         | .2      | .2            | 95.4        |
| Daycare quality    | 140102 | 1         | .1      | .1            | 95.5        |
| Child raising      | 140200 | 9         | 1.2     | 1.2           | 96.7        |
| Divorce            | 140300 | 1         | .2      | .2            | 96.9        |
| Youth problems     | 140500 | 3         | .4      | .4            | 97.3        |
| OTHER              | 150000 | 21        | 2.6     | 2.7           | 100.0       |
| DK                 | 888888 | 25        | 3.1     | Missing       |             |
| RA                 | 999999 | 1         | .2      | Missing       |             |
|                    |        | -----     | -----   | -----         |             |
|                    | Total  | 803       | 100.0   | 100.0         |             |

Valid cases 777 Missing cases 26

## QA3A OTHER PROBS FACING TC RESIDENTS--1ST RESP

| Value Label          | Value | Frequency | Percent | Valid Percent | Cum Percent |
|----------------------|-------|-----------|---------|---------------|-------------|
| TAXES                | 10000 | 29        | 3.6     | 4.4           | 4.4         |
| Income               | 10100 | 11        | 1.4     | 1.7           | 6.1         |
| Property             | 10300 | 42        | 5.3     | 6.4           | 12.5        |
| EDUCATION            | 20000 | 22        | 2.8     | 3.4           | 15.9        |
| Quality of education | 20100 | 16        | 2.0     | 2.4           | 18.3        |
| Financing education  | 20200 | 11        | 1.4     | 1.7           | 20.0        |
| Higher education     | 20300 | 2         | .2      | .3            | 20.3        |
| ENVIRONMENT          | 30000 | 5         | .6      | .8            | 21.1        |
| Pollution            | 30100 | 2         | .3      | .3            | 21.4        |
| Water quality        | 30102 | 1         | .2      | .2            | 21.6        |
| Air pollution        | 30103 | 2         | .2      | .3            | 21.9        |
| Noise pollution      | 30104 | 2         | .3      | .4            | 22.3        |
| Hazardous waste      | 30200 | 1         | .1      | .1            | 22.4        |
| Solid waste          | 30400 | 1         | .1      | .1            | 22.4        |
| Weather              | 30600 | 8         | 1.0     | 1.2           | 23.6        |
| ECONOMY              | 40000 | 18        | 2.2     | 2.7           | 26.3        |
| Unemployment         | 40100 | 5         | .6      | .7            | 27.0        |
| Wages                | 40104 | 8         | 1.0     | 1.3           | 28.3        |
| Quantity of jobs     | 40106 | 7         | .8      | 1.0           | 29.3        |
| Inflation/recession  | 40200 | 1         | .2      | .2            | 29.5        |
| Business climate     | 40400 | 4         | .4      | .5            | 30.0        |
| Corporate taxes      | 40403 | 2         | .2      | .3            | 30.3        |
| HEALTH CARE          | 50000 | 1         | .1      | .1            | 30.4        |
| Cost of hlth care    | 50100 | 5         | .6      | .7            | 31.1        |
| Qual of hlth care    | 50200 | 1         | .1      | .2            | 31.3        |
| Avail of hlth care   | 50300 | 2         | .3      | .4            | 31.7        |
| Mental health        | 50500 | 0         | .1      | .1            | 31.8        |
| TRANSPORATION        | 60000 | 23        | 2.9     | 3.5           | 35.3        |
| Traffic              | 60100 | 49        | 6.0     | 7.4           | 42.6        |
| Road construction    | 60200 | 8         | .9      | 1.2           | 43.8        |
| Expense              | 60300 | 1         | .1      | .2            | 43.9        |
| Drunk driving        | 60600 | 0         | .0      | .1            | 44.0        |
| Mass transit         | 60700 | 14        | 1.8     | 2.2           | 46.2        |
| Light rail transit   | 60701 | 4         | .5      | .6            | 46.8        |
| Snow plowing         | 60800 | 3         | .4      | .5            | 47.2        |
| HOUSING              | 70000 | 3         | .3      | .4            | 47.6        |
| HOUSING - cost       | 70100 | 4         | .5      | .6            | 48.2        |
| Availability         | 70200 | 3         | .4      | .5            | 48.7        |
| Quality              | 70300 | 7         | .8      | 1.0           | 49.8        |
| GOVERNMENT           | 90000 | 19        | 2.4     | 2.9           | 52.7        |
| Stadium issue        | 90700 | 18        | 2.2     | 2.7           | 55.4        |

## QA3A OTHER PROBS FACING TC RESIDENTS-1ST RESP (continued)

| Value Label          | Value  | Frequency     | Percent | Valid Percent | Cum Percent |
|----------------------|--------|---------------|---------|---------------|-------------|
| CRIME                | 110000 | 73            | 9.1     | 11.1          | 66.5        |
| Criminal justice sys | 110100 | 4             | .5      | .6            | 67.1        |
| Drug-related crime   | 110200 | 9             | 1.2     | 1.4           | 68.6        |
| Crimes by youth      | 110300 | 9             | 1.1     | 1.3           | 69.9        |
| Gangs                | 110400 | 27            | 3.4     | 4.2           | 74.0        |
| Guns                 | 110500 | 5             | .6      | .7            | 74.7        |
| SOCIAL ISSUES        | 130000 | 8             | 1.0     | 1.3           | 76.0        |
| Abuse                | 130100 | 1             | .1      | .1            | 76.1        |
| Welfare              | 130200 | 10            | 1.2     | 1.4           | 77.5        |
| Welfare abuses       | 130201 | 3             | .4      | .5            | 78.1        |
| Discrimination       | 130400 | 16            | 1.9     | 2.4           | 80.4        |
| Drugs                | 130500 | 27            | 3.4     | 4.1           | 84.5        |
| Alcohol              | 130501 | 1             | .1      | .2            | 84.7        |
| Morality             | 130600 | 2             | .3      | .3            | 85.1        |
| Immigration          | 130700 | 2             | .3      | .3            | 85.4        |
| Poverty              | 130800 | 18            | 2.3     | 2.8           | 88.1        |
| Homeless             | 131000 | 18            | 2.2     | 2.7           | 90.8        |
| Population           | 131200 | 11            | 1.4     | 1.7           | 92.5        |
| Urban sprawl         | 131300 | 8             | 1.0     | 1.2           | 93.7        |
| FAMILY               | 140000 | 7             | .9      | 1.1           | 94.8        |
| Daycare              | 140100 | 2             | .2      | .3            | 95.1        |
| Child raising        | 140200 | 6             | .7      | .9            | 96.0        |
| Youth sex            | 140400 | 2             | .2      | .3            | 96.3        |
| Youth problems       | 140500 | 7             | .8      | 1.0           | 97.3        |
| OTHER                | 150000 | 18            | 2.2     | 2.7           | 100.0       |
| .                    | .      | 26            | 3.2     | Missing       |             |
| DK                   | 888888 | 114           | 14.2    | Missing       |             |
| RA                   | 999999 | 3             | .4      | Missing       |             |
|                      |        | -----         | -----   | -----         |             |
|                      | Total  | 803           | 100.0   | 100.0         |             |
| Valid cases          | 660    | Missing cases | 143     |               |             |

## A3AGRP OTHER IMPORTANT TC PROBLEM - 1 GROUPED

| Value Label    | Value | Frequency | Percent | Valid Percent | Cum Percent |
|----------------|-------|-----------|---------|---------------|-------------|
| TAXES          | 1     | 82        | 10.2    | 12.5          | 12.5        |
| EDUCATION      | 2     | 52        | 6.4     | 7.8           | 20.3        |
| ENVIRONMENT    | 3     | 22        | 2.7     | 3.3           | 23.6        |
| ECONOMY        | 4     | 44        | 5.5     | 6.7           | 30.3        |
| HEALTH CARE    | 5     | 9         | 1.2     | 1.4           | 31.8        |
| TRANSPORTATION | 6     | 102       | 12.7    | 15.5          | 47.2        |
| HOUSING        | 7     | 17        | 2.1     | 2.5           | 49.8        |
| GOVERNMENT     | 9     | 37        | 4.6     | 5.7           | 55.4        |
| CRIME          | 11    | 127       | 15.8    | 19.3          | 74.7        |
| SOCIAL ISSUES  | 13    | 125       | 15.6    | 19.0          | 93.7        |
| FAMILY         | 14    | 24        | 2.9     | 3.6           | 97.3        |
| OTHER          | 15    | 18        | 2.2     | 2.7           | 100.0       |
| .              | .     | 26        | 3.2     | Missing       |             |
| 99             | 99    | 117       | 14.6    | Missing       |             |
|                | Total | 803       | 100.0   | 100.0         |             |

Valid cases 660 Missing cases 143

## QA3B OTHER PROBS FACING TC RESIDENTS--2ND RESP

| Value Label          | Value | Frequency | Percent | Valid Percent | Cum Percent |
|----------------------|-------|-----------|---------|---------------|-------------|
| TAXES                | 10000 | 13        | 1.7     | 4.0           | 4.0         |
| Income               | 10100 | 3         | .3      | .8            | 4.8         |
| Property             | 10300 | 7         | .9      | 2.1           | 6.9         |
| EDUCATION            | 20000 | 16        | 2.0     | 4.8           | 11.6        |
| Quality of education | 20100 | 10        | 1.2     | 2.9           | 14.5        |
| Financing education  | 20200 | 8         | 1.0     | 2.4           | 16.9        |
| Higher education     | 20300 | 2         | .3      | .7            | 17.6        |
| Availability         | 20400 | 1         | .2      | .4            | 18.0        |
| ENVIRONMENT          | 30000 | 5         | .6      | 1.4           | 19.5        |
| Pollution            | 30100 | 1         | .2      | .4            | 19.9        |
| Water quality        | 30102 | 5         | .7      | 1.6           | 21.4        |
| Air pollution        | 30103 | 3         | .3      | .8            | 22.2        |
| Solid waste          | 30400 | 1         | .1      | .4            | 22.6        |
| Mosquitoes           | 30500 | 1         | .2      | .4            | 23.0        |
| Weather              | 30600 | 10        | 1.2     | 3.0           | 25.9        |



## QA3B OTHER PROBS FACING TC RESIDENTS-2ND RESP (continued)

| Value Label          | Value  | Frequency | Percent | Valid Percent | Cum Percent |
|----------------------|--------|-----------|---------|---------------|-------------|
| ECONOMY              | 40000  | 7         | .9      | 2.1           | 28.0        |
| Unemployment         | 40100  | 3         | .3      | .8            | 28.8        |
| Wages                | 40104  | 1         | .2      | .4            | 29.1        |
| Job skills           | 40105  | 1         | .1      | .4            | 29.5        |
| Quantity of jobs     | 40106  | 1         | .2      | .4            | 29.8        |
| Business climate     | 40400  | 4         | .5      | 1.3           | 31.2        |
| Attracting business  | 40401  | 1         | .1      | .2            | 31.3        |
| Corporate taxes      | 40403  | 1         | .1      | .3            | 31.6        |
| Cost of hlth care    | 50100  | 1         | .2      | .4            | 32.0        |
| Avail of hlth care   | 50300  | 1         | .1      | .2            | 32.2        |
| Disease              | 50600  | 1         | .1      | .2            | 32.4        |
| AIDS                 | 50701  | 1         | .2      | .4            | 32.8        |
| TRANSPORATION        | 60000  | 15        | 1.9     | 4.5           | 37.3        |
| Traffic              | 60100  | 14        | 1.8     | 4.3           | 41.5        |
| Road construction    | 60200  | 4         | .6      | 1.3           | 42.9        |
| Speed limit          | 60500  | 0         | .1      | .1            | 43.0        |
| Drunk driving        | 60600  | 2         | .2      | .5            | 43.5        |
| Mass transit         | 60700  | 8         | 1.0     | 2.5           | 46.0        |
| Light rail transit   | 60701  | 2         | .2      | .6            | 46.5        |
| Snow plowing         | 60800  | 2         | .3      | .6            | 47.2        |
| HOUSING              | 70000  | 3         | .4      | .9            | 48.0        |
| HOUSING - cost       | 70100  | 6         | .7      | 1.7           | 49.7        |
| Quality              | 70300  | 1         | .1      | .4            | 50.1        |
| GOVERNMENT           | 90000  | 8         | 1.0     | 2.4           | 52.5        |
| Stadium issue        | 90700  | 4         | .5      | 1.1           | 53.6        |
| CRIME                | 110000 | 39        | 4.8     | 11.6          | 65.2        |
| Criminal justice sys | 110100 | 10        | 1.3     | 3.1           | 68.4        |
| Drug-related crime   | 110200 | 2         | .3      | .7            | 69.1        |
| Crimes by youth      | 110300 | 1         | .1      | .4            | 69.4        |
| Gangs                | 110400 | 13        | 1.6     | 3.9           | 73.3        |
| Guns                 | 110500 | 1         | .1      | .2            | 73.5        |
| SOCIAL ISSUES        | 130000 | 6         | .7      | 1.8           | 75.3        |
| Abuse                | 130100 | 2         | .2      | .5            | 75.7        |
| Welfare              | 130200 | 9         | 1.1     | 2.8           | 78.5        |
| Welfare abuses       | 130201 | 1         | .1      | .2            | 78.7        |
| Discrimination       | 130400 | 6         | .8      | 1.9           | 80.6        |
| Drugs                | 130500 | 10        | 1.2     | 2.9           | 83.5        |
| Alcohol              | 130501 | 0         | .1      | .1            | 83.7        |
| Morality             | 130600 | 2         | .3      | .7            | 84.3        |
| Religion             | 130601 | 1         | .2      | .4            | 84.7        |
| Poverty              | 130800 | 5         | .7      | 1.6           | 86.3        |
| Homeless             | 131000 | 12        | 1.5     | 3.6           | 89.9        |
| Population           | 131200 | 2         | .2      | .6            | 90.5        |
| Urban sprawl         | 131300 | 6         | .8      | 1.8           | 92.3        |

## QA3B OTHER PROBS FACING TC RESIDENTS-2ND RESP (continued)

| Value Label   | Value  | Frequency | Percent | Valid Percent | Cum Percent |
|---------------|--------|-----------|---------|---------------|-------------|
| FAMILY        | 140000 | 4         | .5      | 1.1           | 93.4        |
| Daycare       | 140100 | 1         | .2      | .4            | 93.7        |
| Daycare cost  | 140101 | 1         | .1      | .4            | 94.1        |
| Child raising | 140200 | 4         | .6      | 1.3           | 95.4        |
| OTHER         | 150000 | 15        | 1.9     | 4.6           | 100.0       |
|               | .      | 143       | 17.9    | Missing       |             |
| DK            | 888888 | 326       | 40.6    | Missing       |             |
|               |        | -----     | -----   | -----         |             |
|               | Total  | 803       | 100.0   | 100.0         |             |

Valid cases 333 Missing cases 470

## A3BGRP OTHER IMPORTANT TC PROBLEM - 2 GROUPED

| Value Label    | Value | Frequency | Percent | Valid Percent | Cum Percent |
|----------------|-------|-----------|---------|---------------|-------------|
| TAXES          | 1     | 23        | 2.9     | 6.9           | 6.9         |
| EDUCATION      | 2     | 37        | 4.6     | 11.2          | 18.0        |
| ENVIRONMENT    | 3     | 26        | 3.3     | 7.9           | 25.9        |
| ECONOMY        | 4     | 19        | 2.4     | 5.7           | 31.6        |
| HEALTH CARE    | 5     | 4         | .5      | 1.2           | 32.8        |
| TRANSPORTATION | 6     | 48        | 6.0     | 14.4          | 47.2        |
| HOUSING        | 7     | 10        | 1.2     | 2.9           | 50.1        |
| GOVERNMENT     | 9     | 12        | 1.5     | 3.6           | 53.6        |
| CRIME          | 11    | 66        | 8.2     | 19.9          | 73.5        |
| SOCIAL ISSUES  | 13    | 63        | 7.8     | 18.8          | 92.3        |
| FAMILY         | 14    | 11        | 1.3     | 3.2           | 95.4        |
| OTHER          | 15    | 15        | 1.9     | 4.6           | 100.0       |
|                | .     | 143       | 17.9    | Missing       |             |
|                | 99    | 326       | 40.6    | Missing       |             |
|                |       | -----     | -----   | -----         |             |
|                | Total | 803       | 100.0   | 100.0         |             |

Valid cases 333 Missing cases 470

## Group MRPROB MOST IMPORTANT PROBLEM IN TWIN CITIES-MR

| Category label | Code            | Count | Pct of Responses | Pct of Cases |
|----------------|-----------------|-------|------------------|--------------|
| TAXES          | 1               | 154   | 8.7              | 19.8         |
| EDUCATION      | 2               | 142   | 8.0              | 18.3         |
| ENVIRONMENT    | 3               | 67    | 3.8              | 8.6          |
| ECONOMY        | 4               | 111   | 6.3              | 14.3         |
| HEALTH CARE    | 5               | 21    | 1.2              | 2.7          |
| TRANSPORTATION | 6               | 244   | 13.8             | 31.4         |
| HOUSING        | 7               | 32    | 1.8              | 4.1          |
| FOOD           | 8               | 1     | .1               | .2           |
| GOVERNMENT     | 9               | 74    | 4.2              | 9.5          |
| CRIME          | 11              | 496   | 28.0             | 63.8         |
| SOCIAL ISSUES  | 13              | 320   | 18.1             | 41.1         |
| FAMILY         | 14              | 55    | 3.1              | 7.1          |
| OTHER          | 15              | 54    | 3.1              | 7.0          |
|                |                 | ----- | -----            | -----        |
|                | Total responses | 1770  | 100.0            | 227.8        |

26 missing cases; 777 valid cases

## APPENDIX B

## CONTINUOUS VARIABLES

| <u>VARIABLE</u> | <u>DESCRIPTION</u>                                  | <u>PAGE</u> |
|-----------------|---|-------------|
| QE7V1           | Most important regional govt activity - V1. . . . . | B-2         |
| QE7V2           | Most important regional govt activity - V2. . . . . | B-2         |
| QE7V3           | Most important regional govt activity - V3. . . . . | B-3         |
| QE7V4           | Most important regional govt activity - V4. . . . . | B-3         |
| QE7V5           | Most important regional govt activity - V5. . . . . | B-4         |
| QE9V1           | Most imp way to improve TC water qual - V1. . . . . | B-4         |
| QE9V2           | Most imp way to improve TC water qual - V2. . . . . | B-5         |
| QE9V3           | Most imp way to improve TC water qual - V3. . . . . | B-5         |
| QE16V1          | Replacing outdated wastewater equipmt - V1. . . . . | B-6         |
| QE16V2          | Replacing outdated wastewater equipmt - V2. . . . . | B-6         |
| QE16V3          | Replacing outdated wastewater equipmt - V3. . . . . | B-7         |
| QG2             | Zip code. . . . .                                   | B-7         |
| QG6             | Year born . . . . .                                 | B-10        |
| AGE             | Age of respondent . . . . .                         | B-12        |
| PARTYID         | Political party identification. . . . .             | B-13        |
| QG11            | Number of people living in household. . . . .       | B-14        |
| QG11a           | Number of people in hh under 18 . . . . .           | B-14        |
| QG15            | Number of people contrib to income. . . . .         | B-15        |

## QE7V1 MOST IMPORTANT REGIONAL GOVT ACTIVITY-V1

| Value Label          | Value | Frequency | Percent | Valid Percent | Cum Percent |
|----------------------|-------|-----------|---------|---------------|-------------|
| Improve odor control | 1     | 8         | 1.0     | 4.6           | 4.6         |
| Incr env protection  | 2     | 46        | 5.7     | 26.9          | 31.5        |
| Reduce sewer rates   | 3     | 6         | .7      | 3.3           | 34.7        |
| Control water pollut | 4     | 31        | 3.9     | 18.4          | 53.1        |
| Educate the public   | 5     | 62        | 7.8     | 36.7          | 89.8        |
| All equal            | 6     | 11        | 1.4     | 6.4           | 96.2        |
| Other                | 7     | 6         | .8      | 3.8           | 100.0       |
| .                    |       | 630       | 78.4    | Missing       |             |
| DK                   | 8     | 1         | .1      | Missing       |             |
| RA                   | 9     | 2         | .2      | Missing       |             |
|                      |       | -----     | -----   | -----         |             |
|                      | Total | 803       | 100.0   | 100.0         |             |

Valid cases 170 Missing cases 633

## QE7V2 MOST IMPORTANT REGIONAL GOVT ACTIVITY-V2

| Value Label          | Value | Frequency | Percent | Valid Percent | Cum Percent |
|----------------------|-------|-----------|---------|---------------|-------------|
| Incr env protection  | 1     | 37        | 4.6     | 24.5          | 24.5        |
| Reduce sewer rates   | 2     | 3         | .3      | 1.7           | 26.2        |
| Control water pollut | 3     | 37        | 4.6     | 24.6          | 50.8        |
| Educate the public   | 4     | 51        | 6.4     | 34.0          | 84.8        |
| Improve odor control | 5     | 12        | 1.4     | 7.7           | 92.5        |
| All equal            | 6     | 10        | 1.2     | 6.5           | 99.0        |
| Other                | 7     | 2         | .2      | 1.0           | 100.0       |
| .                    |       | 641       | 79.8    | Missing       |             |
| DK                   | 8     | 7         | .9      | Missing       |             |
| RA                   | 9     | 5         | .6      | Missing       |             |
|                      |       | -----     | -----   | -----         |             |
|                      | Total | 803       | 100.0   | 100.0         |             |

Valid cases 151 Missing cases 653

## QE7V3 MOST IMPORTANT REGIONAL GOVT ACTIVITY-V3

| Value Label          | Value | Frequency | Percent | Valid Percent | Cum Percent |
|----------------------|-------|-----------|---------|---------------|-------------|
| Reduce sewer rates   | 1     | 3         | .3      | 1.9           | 1.9         |
| Control water pollut | 2     | 29        | 3.6     | 20.6          | 22.6        |
| Educate the public   | 3     | 25        | 3.2     | 18.4          | 40.9        |
| Improve odor control | 4     | 8         | 1.0     | 5.9           | 46.9        |
| Incr env protection  | 5     | 62        | 7.7     | 44.8          | 91.6        |
| All equal            | 6     | 5         | .6      | 3.5           | 95.2        |
| Other                | 7     | 7         | .8      | 4.8           | 100.0       |
| .                    | .     | 661       | 82.2    | Missing       |             |
| DK                   | 8     | 3         | .4      | Missing       |             |
| RA                   | 9     | 1         | .1      | Missing       |             |
|                      |       | -----     | -----   | -----         |             |
|                      | Total | 803       | 100.0   | 100.0         |             |

Valid cases 139 Missing cases 664

## QE7V4 MOST IMPORTANT REGIONAL GOVT ACTIVITY-V4

| Value Label          | Value | Frequency | Percent | Valid Percent | Cum Percent |
|----------------------|-------|-----------|---------|---------------|-------------|
| Control water pollut | 1     | 29        | 3.6     | 17.7          | 17.7        |
| Educate the public   | 2     | 38        | 4.7     | 23.2          | 40.9        |
| Improve odor control | 3     | 12        | 1.5     | 7.2           | 48.1        |
| Reduce sewer rates   | 4     | 8         | 1.0     | 5.2           | 53.3        |
| Incr env protection  | 5     | 57        | 7.1     | 35.4          | 88.7        |
| All equal            | 6     | 13        | 1.6     | 7.9           | 96.6        |
| Other                | 7     | 6         | .7      | 3.4           | 100.0       |
| .                    | .     | 631       | 78.6    | Missing       |             |
| DK                   | 8     | 7         | .9      | Missing       |             |
| RA                   | 9     | 2         | .2      | Missing       |             |
|                      |       | -----     | -----   | -----         |             |
|                      | Total | 803       | 100.0   | 100.0         |             |

Valid cases 162 Missing cases 641

## QE7V5 MOST IMPORTANT REGIONAL GOVT ACTIVITY-V5

| Value Label          | Value | Frequency | Percent | Valid Percent | Cum Percent |
|----------------------|-------|-----------|---------|---------------|-------------|
| Educate the public   | 1     | 34        | 4.2     | 23.4          | 23.4        |
| Improve odor control | 2     | 8         | 1.0     | 5.8           | 29.2        |
| Incr env protection  | 3     | 50        | 6.2     | 34.5          | 63.7        |
| Reduce sewer rates   | 4     | 4         | .5      | 2.7           | 66.4        |
| Control water pollut | 5     | 38        | 4.7     | 26.2          | 92.6        |
| All equal            | 6     | 8         | 1.0     | 5.7           | 98.3        |
| Other                | 7     | 2         | .3      | 1.7           | 100.0       |
| .                    | .     | 650       | 80.9    | Missing       |             |
| DK                   | 8     | 7         | .9      | Missing       |             |
| RA                   | 9     | 2         | .2      | Missing       |             |
|                      |       | -----     | -----   | -----         |             |
|                      | Total | 803       | 100.0   | 100.0         |             |

Valid cases 144 Missing cases 659

## QE9V1 MOST IMP WAY TO IMPROVE TC WATER QUAL-V1

| Value Label          | Value | Frequency | Percent | Valid Percent | Cum Percent |
|----------------------|-------|-----------|---------|---------------|-------------|
| Improve drainage     | 1     | 39        | 4.8     | 13.5          | 13.5        |
| Protect lakes/rivers | 2     | 112       | 13.9    | 38.9          | 52.4        |
| Reduce ag runoff     | 3     | 108       | 13.4    | 37.5          | 90.0        |
| All equal            | 4     | 26        | 3.2     | 9.0           | 99.0        |
| Other                | 5     | 3         | .4      | 1.0           | 100.0       |
| .                    | .     | 506       | 63.1    | Missing       |             |
| DK                   | 8     | 7         | .9      | Missing       |             |
| RA                   | 9     | 2         | .3      | Missing       |             |
|                      |       | -----     | -----   | -----         |             |
|                      | Total | 803       | 100.0   | 100.0         |             |

Valid cases 288 Missing cases 516

## QE9V2 MOST IMP WAY TO IMPROVE TC WATER QUAL-V2

| Value Label         | Value | Frequency | Percent | Valid Percent | Cum Percent |
|---------------------|-------|-----------|---------|---------------|-------------|
| Protect lakes/ivers | 1     | 74        | 9.3     | 31.6          | 31.6        |
| Reduce ag runoff    | 2     | 74        | 9.3     | 31.7          | 63.3        |
| Improve drainage    | 3     | 54        | 6.7     | 23.0          | 86.3        |
| All equal           | 4     | 29        | 3.6     | 12.2          | 98.5        |
| Other               | 5     | 4         | .4      | 1.5           | 100.0       |
| .                   | .     | 548       | 68.3    | Missing       |             |
| DK                  | 8     | 19        | 2.3     | Missing       |             |
| RA                  | 9     | 1         | .1      | Missing       |             |
|                     |       | -----     | -----   | -----         |             |
|                     | Total | 803       | 100.0   | 100.0         |             |

Valid cases 235 Missing cases 568

## QE9V3 MOST IMP WAY TO IMPROVE TC WATER QUAL-V3

| Value Label         | Value | Frequency | Percent | Valid Percent | Cum Percent |
|---------------------|-------|-----------|---------|---------------|-------------|
| Reduce ag runoff    | 1     | 38        | 4.7     | 15.6          | 15.6        |
| Improve drainage    | 2     | 32        | 4.0     | 13.0          | 28.6        |
| Protect lakes/ivers | 3     | 147       | 18.3    | 60.2          | 88.8        |
| All equal           | 4     | 26        | 3.3     | 10.7          | 99.5        |
| Other               | 5     | 1         | .2      | .5            | 100.0       |
| .                   | .     | 551       | 68.7    | Missing       |             |
| DK                  | 8     | 6         | .8      | Missing       |             |
| RA                  | 9     | 1         | .1      | Missing       |             |
|                     |       | -----     | -----   | -----         |             |
|                     | Total | 803       | 100.0   | 100.0         |             |

Valid cases 245 Missing cases 558



## QE16V1 REPLACING OUTDATED WASTEWATER EQUIPMT-V1

| Value Label          | Value | Frequency | Percent | Valid Percent | Cum Percent |
|----------------------|-------|-----------|---------|---------------|-------------|
| Reduce air emissions | 1     | 47        | 5.8     | 25.7          | 25.7        |
| Limit neg impacts    | 2     | 21        | 2.6     | 11.3          | 37.0        |
| Produce sludge       | 3     | 94        | 11.7    | 51.6          | 88.6        |
| All equal            | 4     | 18        | 2.3     | 10.1          | 98.8        |
| Other                | 5     | 2         | .3      | 1.2           | 100.0       |
| .                    | .     | 600       | 74.8    | Missing       |             |
| DK                   | 8     | 20        | 2.4     | Missing       |             |
| RA                   | 9     | 2         | .2      | Missing       |             |
|                      |       | -----     | -----   | -----         |             |
|                      | Total | 803       | 100.0   | 100.0         |             |

Valid cases 181      Missing cases 622

## QE16V2 REPLACING OUTDATED WASTEWATER EQUIPMT-V2

| Value Label          | Value | Frequency | Percent | Valid Percent | Cum Percent |
|----------------------|-------|-----------|---------|---------------|-------------|
| Limit neg impacts    | 1     | 37        | 4.6     | 14.0          | 14.0        |
| Produce sludge       | 2     | 108       | 13.5    | 41.0          | 55.0        |
| Reduce air emissions | 3     | 88        | 11.0    | 33.4          | 88.4        |
| All equal            | 4     | 26        | 3.3     | 10.0          | 98.4        |
| Other                | 5     | 4         | .5      | 1.6           | 100.0       |
| .                    | .     | 506       | 63.0    | Missing       |             |
| DK                   | 8     | 24        | 3.1     | Missing       |             |
| RA                   | 9     | 9         | 1.1     | Missing       |             |
|                      |       | -----     | -----   | -----         |             |
|                      | Total | 803       | 100.0   | 100.0         |             |

Valid cases 264      Missing cases 539

## QE16V3 REPLACING OUTDATED WASTEWATER EQUIPMT-V3

| Value Label          | Value | Frequency     | Percent | Valid Percent | Cum Percent |
|----------------------|-------|---------------|---------|---------------|-------------|
| Produce sludge       | 1     | 114           | 14.2    | 41.4          | 41.4        |
| Reduce air emissions | 2     | 60            | 7.5     | 21.7          | 63.1        |
| Limit neg impacts    | 3     | 75            | 9.4     | 27.3          | 90.3        |
| All equal            | 4     | 21            | 2.7     | 7.7           | 98.0        |
| Other                | 5     | 5             | .7      | 2.0           | 100.0       |
| .                    |       | 500           | 62.3    | Missing       |             |
| DK                   | 8     | 23            | 2.8     | Missing       |             |
| RA                   | 9     | 4             | .5      | Missing       |             |
|                      |       | -----         | -----   | -----         |             |
|                      | Total | 803           | 100.0   | 100.0         |             |
| Valid cases          | 276   | Missing cases | 527     |               |             |

## QG2 ZIP CODE

| Value Label | Value | Frequency | Percent | Valid Percent | Cum Percent |
|-------------|-------|-----------|---------|---------------|-------------|
|             | 55001 | 1         | .2      | .2            | .2          |
|             | 55005 | 2         | .2      | .2            | .4          |
|             | 55011 | 1         | .1      | .1            | .5          |
|             | 55014 | 6         | .8      | .8            | 1.3         |
|             | 55016 | 8         | 1.0     | 1.0           | 2.3         |
|             | 55020 | 1         | .2      | .2            | 2.5         |
|             | 55024 | 5         | .6      | .6            | 3.1         |
|             | 55025 | 7         | .9      | .9            | 3.9         |
|             | 55033 | 8         | .9      | .9            | 4.9         |
|             | 55034 | 1         | .1      | .1            | 5.0         |
|             | 55036 | 1         | .1      | .1            | 5.1         |
|             | 55038 | 1         | .1      | .1            | 5.3         |
|             | 55042 | 1         | .2      | .2            | 5.5         |
|             | 55043 | 1         | .2      | .2            | 5.6         |
|             | 55044 | 10        | 1.3     | 1.3           | 6.9         |
|             | 55055 | 1         | .1      | .1            | 7.0         |
|             | 55068 | 6         | .7      | .8            | 7.8         |
|             | 55070 | 3         | .4      | .4            | 8.2         |
|             | 55071 | 2         | .3      | .3            | 8.5         |
|             | 55073 | 2         | .2      | .2            | 8.7         |
|             | 55075 | 8         | 1.0     | 1.0           | 9.7         |
|             | 55076 | 3         | .4      | .4            | 10.1        |
|             | 55077 | 2         | .2      | .2            | 10.4        |
|             | 55082 | 9         | 1.2     | 1.2           | 11.5        |
|             | 55090 | 1         | .2      | .2            | 11.7        |
|             | 55092 | 0         | .1      | .1            | 11.8        |
|             | 55101 | 1         | .1      | .1            | 11.8        |
|             | 55102 | 6         | .8      | .8            | 12.7        |
|             | 55103 | 4         | .5      | .5            | 13.2        |
|             | 55104 | 7         | .9      | .9            | 14.1        |
|             | 55105 | 12        | 1.5     | 1.5           | 15.6        |

## QG2 ZIP CODE (continued)

| Value Label | Value | Frequency | Percent | Valid Percent | Cum Percent |
|-------------|-------|-----------|---------|---------------|-------------|
|             | 55106 | 19        | 2.4     | 2.4           | 18.0        |
|             | 55107 | 5         | .7      | .7            | 18.7        |
|             | 55108 | 11        | 1.4     | 1.4           | 20.1        |
|             | 55109 | 11        | 1.3     | 1.3           | 21.4        |
|             | 55110 | 10        | 1.2     | 1.3           | 22.6        |
|             | 55112 | 8         | .9      | 1.0           | 23.6        |
|             | 55113 | 20        | 2.5     | 2.5           | 26.1        |
|             | 55115 | 1         | .1      | .1            | 26.2        |
|             | 55116 | 17        | 2.1     | 2.1           | 28.4        |
|             | 55117 | 6         | .7      | .7            | 29.1        |
|             | 55118 | 6         | .7      | .8            | 29.9        |
|             | 55119 | 7         | .9      | .9            | 30.7        |
|             | 55121 | 2         | .2      | .2            | 31.0        |
|             | 55122 | 6         | .8      | .8            | 31.8        |
|             | 55123 | 6         | .8      | .8            | 32.6        |
|             | 55124 | 12        | 1.4     | 1.4           | 34.0        |
|             | 55125 | 5         | .6      | .6            | 34.7        |
|             | 55126 | 9         | 1.2     | 1.2           | 35.8        |
|             | 55127 | 5         | .7      | .7            | 36.5        |
|             | 55128 | 8         | 1.0     | 1.0           | 37.5        |
|             | 55129 | 1         | .1      | .1            | 37.6        |
|             | 55140 | 1         | .1      | .1            | 37.7        |
|             | 55150 | 1         | .2      | .2            | 37.9        |
|             | 55303 | 17        | 2.1     | 2.1           | 40.0        |
|             | 55304 | 9         | 1.2     | 1.2           | 41.2        |
|             | 55305 | 9         | 1.1     | 1.1           | 42.2        |
|             | 55306 | 3         | .3      | .3            | 42.6        |
|             | 55311 | 3         | .4      | .4            | 43.0        |
|             | 55315 | 1         | .1      | .1            | 43.1        |
|             | 55316 | 3         | .4      | .4            | 43.5        |
|             | 55317 | 4         | .5      | .5            | 44.0        |
|             | 55318 | 4         | .5      | .5            | 44.5        |
|             | 55322 | 1         | .2      | .2            | 44.7        |
|             | 55327 | 1         | .2      | .2            | 44.8        |
|             | 55331 | 3         | .4      | .4            | 45.2        |
|             | 55337 | 20        | 2.5     | 2.5           | 47.7        |
|             | 55340 | 2         | .3      | .3            | 48.0        |
|             | 55343 | 4         | .5      | .5            | 48.5        |
|             | 55344 | 4         | .5      | .5            | 49.1        |
|             | 55345 | 12        | 1.5     | 1.5           | 50.6        |
|             | 55346 | 4         | .5      | .5            | 51.2        |
|             | 55347 | 11        | 1.4     | 1.4           | 52.6        |
|             | 55352 | 1         | .1      | .1            | 52.7        |
|             | 55356 | 5         | .6      | .6            | 53.3        |
|             | 55357 | 1         | .2      | .2            | 53.5        |
|             | 55359 | 3         | .4      | .4            | 53.8        |
|             | 55360 | 1         | .2      | .2            | 54.0        |
|             | 55364 | 6         | .8      | .8            | 54.8        |
|             | 55368 | 2         | .2      | .2            | 55.0        |
|             | 55369 | 19        | 2.3     | 2.3           | 57.3        |
|             | 55372 | 5         | .6      | .6            | 57.9        |

## QG2 ZIP CODE (continued)

| Value Label | Value | Frequency | Percent | Valid Percent | Cum Percent |
|-------------|-------|-----------|---------|---------------|-------------|
|             | 55374 | 1         | .2      | .2            | 58.1        |
|             | 55375 | 2         | .2      | .2            | 58.3        |
|             | 55378 | 2         | .2      | .2            | 58.5        |
|             | 55379 | 5         | .6      | .7            | 59.2        |
|             | 55381 | 1         | .2      | .2            | 59.3        |
|             | 55386 | 1         | .1      | .1            | 59.4        |
|             | 55387 | 1         | .1      | .1            | 59.5        |
|             | 55388 | 1         | .1      | .1            | 59.6        |
|             | 55391 | 9         | 1.2     | 1.2           | 60.7        |
|             | 55397 | 3         | .4      | .4            | 61.1        |
|             | 55401 | 1         | .2      | .2            | 61.2        |
|             | 55403 | 6         | .8      | .8            | 62.0        |
|             | 55404 | 2         | .3      | .3            | 62.3        |
|             | 55405 | 6         | .8      | .8            | 63.1        |
|             | 55406 | 13        | 1.6     | 1.6           | 64.7        |
|             | 55407 | 16        | 2.0     | 2.0           | 66.7        |
|             | 55408 | 10        | 1.2     | 1.2           | 68.0        |
|             | 55409 | 9         | 1.1     | 1.1           | 69.0        |
|             | 55410 | 17        | 2.1     | 2.1           | 71.1        |
|             | 55411 | 9         | 1.1     | 1.1           | 72.2        |
|             | 55412 | 9         | 1.2     | 1.2           | 73.4        |
|             | 55413 | 2         | .3      | .3            | 73.7        |
|             | 55414 | 5         | .6      | .6            | 74.3        |
|             | 55416 | 7         | .9      | .9            | 75.2        |
|             | 55417 | 6         | .7      | .7            | 75.9        |
|             | 55418 | 11        | 1.4     | 1.4           | 77.3        |
|             | 55419 | 4         | .5      | .5            | 77.8        |
|             | 55420 | 1         | .2      | .2            | 77.9        |
|             | 55421 | 7         | .9      | .9            | 78.9        |
|             | 55422 | 6         | .7      | .7            | 79.6        |
|             | 55423 | 12        | 1.5     | 1.5           | 81.0        |
|             | 55424 | 4         | .5      | .5            | 81.5        |
|             | 55425 | 2         | .2      | .2            | 81.7        |
|             | 55426 | 2         | .2      | .2            | 82.0        |
|             | 55427 | 9         | 1.1     | 1.1           | 83.0        |
|             | 55428 | 13        | 1.6     | 1.6           | 84.7        |
|             | 55429 | 6         | .8      | .8            | 85.4        |
|             | 55430 | 5         | .6      | .6            | 86.1        |
|             | 55431 | 6         | .7      | .7            | 86.8        |
|             | 55432 | 4         | .5      | .5            | 87.2        |
|             | 55433 | 7         | .9      | .9            | 88.1        |
|             | 55434 | 9         | 1.1     | 1.1           | 89.2        |
|             | 55435 | 1         | .2      | .2            | 89.4        |
|             | 55436 | 6         | .7      | .7            | 90.1        |
|             | 55437 | 13        | 1.6     | 1.6           | 91.7        |
|             | 55438 | 6         | .8      | .8            | 92.4        |
|             | 55439 | 7         | .8      | .8            | 93.3        |
|             | 55441 | 7         | .8      | .8            | 94.1        |
|             | 55442 | 1         | .1      | .1            | 94.2        |
|             | 55443 | 9         | 1.1     | 1.1           | 95.3        |
|             | 55444 | 4         | .5      | .5            | 95.9        |

## QG2 ZIP CODE (continued)

| Value Label | Value | Frequency | Percent | Valid Percent | Cum Percent |
|-------------|-------|-----------|---------|---------------|-------------|
|             | 55445 | 3         | .4      | .4            | 96.2        |
|             | 55446 | 4         | .5      | .5            | 96.8        |
|             | 55447 | 3         | .4      | .4            | 97.2        |
|             | 55448 | 11        | 1.4     | 1.4           | 98.5        |
|             | 55449 | 2         | .2      | .2            | 98.7        |
|             | 55455 | 1         | .2      | .2            | 98.9        |
|             | 55458 | 1         | .2      | .2            | 99.0        |
|             | 55531 | 1         | .1      | .1            | 99.1        |
|             | 55612 | 0         | .0      | .0            | 99.2        |
|             | 56011 | 5         | .6      | .6            | 99.8        |
|             | 56082 | 1         | .1      | .1            | 99.9        |
|             | 58201 | 1         | .1      | .1            | 100.0       |
| DK          | 88888 | 2         | .3      | Missing       |             |
| RA          | 99999 | 3         | .4      | Missing       |             |
|             | Total | 803       | 100.0   | 100.0         |             |

Valid cases 798 Missing cases 5

## QG6 YEAR BORN

| Value Label | Value | Frequency | Percent | Valid Percent | Cum Percent |
|-------------|-------|-----------|---------|---------------|-------------|
|             | 1903  | 1         | .1      | .1            | .1          |
|             | 1911  | 1         | .2      | .2            | .2          |
|             | 1912  | 1         | .1      | .1            | .3          |
|             | 1913  | 1         | .1      | .1            | .4          |
|             | 1914  | 4         | .5      | .5            | .9          |
|             | 1915  | 2         | .2      | .2            | 1.1         |
|             | 1916  | 1         | .2      | .2            | 1.3         |
|             | 1918  | 4         | .5      | .5            | 1.8         |
|             | 1919  | 2         | .2      | .2            | 2.0         |
|             | 1920  | 3         | .4      | .4            | 2.4         |
|             | 1921  | 7         | .9      | .9            | 3.4         |
|             | 1922  | 2         | .3      | .3            | 3.7         |
|             | 1923  | 1         | .1      | .1            | 3.8         |
|             | 1924  | 5         | .7      | .7            | 4.5         |
|             | 1925  | 3         | .4      | .4            | 4.9         |
|             | 1926  | 3         | .4      | .4            | 5.3         |
|             | 1927  | 6         | .8      | .8            | 6.1         |
|             | 1928  | 10        | 1.3     | 1.3           | 7.4         |
|             | 1929  | 7         | .9      | .9            | 8.3         |
|             | 1930  | 5         | .6      | .6            | 8.9         |
|             | 1931  | 6         | .8      | .8            | 9.7         |
|             | 1932  | 9         | 1.1     | 1.1           | 10.8        |
|             | 1933  | 4         | .5      | .5            | 11.3        |
|             | 1934  | 9         | 1.1     | 1.1           | 12.4        |
|             | 1935  | 12        | 1.4     | 1.5           | 13.9        |

## QG6 YEAR BORN (continued)

| Value Label | Value | Frequency | Percent | Valid Percent | Cum Percent |
|-------------|-------|-----------|---------|---------------|-------------|
|             | 1936  | 10        | 1.3     | 1.3           | 15.2        |
|             | 1937  | 8         | 1.0     | 1.0           | 16.2        |
|             | 1938  | 14        | 1.8     | 1.8           | 18.0        |
|             | 1939  | 5         | .7      | .7            | 18.7        |
|             | 1940  | 11        | 1.4     | 1.4           | 20.1        |
|             | 1941  | 9         | 1.1     | 1.2           | 21.3        |
|             | 1942  | 11        | 1.3     | 1.4           | 22.7        |
|             | 1943  | 14        | 1.7     | 1.7           | 24.4        |
|             | 1944  | 10        | 1.2     | 1.2           | 25.7        |
|             | 1945  | 10        | 1.3     | 1.3           | 27.0        |
|             | 1946  | 15        | 1.8     | 1.9           | 28.9        |
|             | 1947  | 14        | 1.7     | 1.8           | 30.6        |
|             | 1948  | 18        | 2.2     | 2.2           | 32.9        |
|             | 1949  | 20        | 2.4     | 2.5           | 35.4        |
|             | 1950  | 25        | 3.1     | 3.2           | 38.5        |
|             | 1951  | 15        | 1.8     | 1.9           | 40.4        |
|             | 1952  | 16        | 2.0     | 2.0           | 42.5        |
|             | 1953  | 17        | 2.1     | 2.1           | 44.6        |
|             | 1954  | 11        | 1.3     | 1.4           | 46.0        |
|             | 1955  | 21        | 2.6     | 2.6           | 48.6        |
|             | 1956  | 25        | 3.1     | 3.1           | 51.7        |
|             | 1957  | 22        | 2.7     | 2.8           | 54.5        |
|             | 1958  | 16        | 2.0     | 2.0           | 56.4        |
|             | 1959  | 23        | 2.8     | 2.9           | 59.3        |
|             | 1960  | 28        | 3.5     | 3.6           | 62.9        |
|             | 1961  | 19        | 2.4     | 2.5           | 65.4        |
|             | 1962  | 23        | 2.9     | 2.9           | 68.3        |
|             | 1963  | 19        | 2.3     | 2.4           | 70.7        |
|             | 1964  | 19        | 2.4     | 2.4           | 73.1        |
|             | 1965  | 19        | 2.4     | 2.4           | 75.5        |
|             | 1966  | 10        | 1.2     | 1.3           | 76.8        |
|             | 1967  | 17        | 2.1     | 2.2           | 79.0        |
|             | 1968  | 12        | 1.5     | 1.5           | 80.5        |
|             | 1969  | 17        | 2.1     | 2.2           | 82.7        |
|             | 1970  | 14        | 1.7     | 1.7           | 84.5        |
|             | 1971  | 18        | 2.3     | 2.3           | 86.8        |
|             | 1972  | 11        | 1.4     | 1.4           | 88.2        |
|             | 1973  | 14        | 1.8     | 1.8           | 90.0        |
|             | 1974  | 9         | 1.2     | 1.2           | 91.2        |
|             | 1975  | 7         | .9      | .9            | 92.1        |
|             | 1976  | 13        | 1.6     | 1.6           | 93.7        |
|             | 1977  | 10        | 1.2     | 1.2           | 94.9        |
|             | 1978  | 22        | 2.8     | 2.9           | 97.8        |
|             | 1979  | 14        | 1.8     | 1.8           | 99.6        |
|             | 1980  | 3         | .4      | .4            | 100.0       |
| DK          | 8888  | 0         | .0      | Missing       |             |
| RA          | 9999  | 16        | 2.0     | Missing       |             |
|             | Total | 803       | 100.0   | 100.0         |             |

Valid cases 787 Missing cases 16

## AGE            AGE OF RESPONDENT

| Value Label | Value | Frequency | Percent | Valid Percent | Cum Percent |
|-------------|-------|-----------|---------|---------------|-------------|
|             | 17    | 3         | .4      | .4            | .4          |
|             | 18    | 14        | 1.8     | 1.8           | 2.2         |
|             | 19    | 22        | 2.8     | 2.9           | 5.1         |
|             | 20    | 10        | 1.2     | 1.2           | 6.3         |
|             | 21    | 13        | 1.6     | 1.6           | 7.9         |
|             | 22    | 7         | .9      | .9            | 8.8         |
|             | 23    | 9         | 1.2     | 1.2           | 10.0        |
|             | 24    | 14        | 1.8     | 1.8           | 11.8        |
|             | 25    | 11        | 1.4     | 1.4           | 13.2        |
|             | 26    | 18        | 2.3     | 2.3           | 15.5        |
|             | 27    | 14        | 1.7     | 1.7           | 17.3        |
|             | 28    | 17        | 2.1     | 2.2           | 19.5        |
|             | 29    | 12        | 1.5     | 1.5           | 21.0        |
|             | 30    | 17        | 2.1     | 2.2           | 23.2        |
|             | 31    | 10        | 1.2     | 1.3           | 24.5        |
|             | 32    | 19        | 2.4     | 2.4           | 26.9        |
|             | 33    | 19        | 2.4     | 2.4           | 29.3        |
|             | 34    | 19        | 2.3     | 2.4           | 31.7        |
|             | 35    | 23        | 2.9     | 2.9           | 34.6        |
|             | 36    | 19        | 2.4     | 2.5           | 37.1        |
|             | 37    | 28        | 3.5     | 3.6           | 40.7        |
|             | 38    | 23        | 2.8     | 2.9           | 43.6        |
|             | 39    | 16        | 2.0     | 2.0           | 45.5        |
|             | 40    | 22        | 2.7     | 2.8           | 48.3        |
|             | 41    | 25        | 3.1     | 3.1           | 51.4        |
|             | 42    | 21        | 2.6     | 2.6           | 54.0        |
|             | 43    | 11        | 1.3     | 1.4           | 55.4        |
|             | 44    | 17        | 2.1     | 2.1           | 57.5        |
|             | 45    | 16        | 2.0     | 2.0           | 59.6        |
|             | 46    | 15        | 1.8     | 1.9           | 61.5        |
|             | 47    | 25        | 3.1     | 3.2           | 64.6        |
|             | 48    | 20        | 2.4     | 2.5           | 67.1        |
|             | 49    | 18        | 2.2     | 2.2           | 69.4        |
|             | 50    | 14        | 1.7     | 1.8           | 71.1        |
|             | 51    | 15        | 1.8     | 1.9           | 73.0        |
|             | 52    | 10        | 1.3     | 1.3           | 74.3        |
|             | 53    | 10        | 1.2     | 1.2           | 75.6        |
|             | 54    | 14        | 1.7     | 1.7           | 77.3        |
|             | 55    | 11        | 1.3     | 1.4           | 78.7        |
|             | 56    | 9         | 1.1     | 1.2           | 79.9        |
|             | 57    | 11        | 1.4     | 1.4           | 81.3        |
|             | 58    | 5         | .7      | .7            | 82.0        |
|             | 59    | 14        | 1.8     | 1.8           | 83.8        |
|             | 60    | 8         | 1.0     | 1.0           | 84.8        |
|             | 61    | 10        | 1.3     | 1.3           | 86.1        |
|             | 62    | 12        | 1.4     | 1.5           | 87.6        |
|             | 63    | 9         | 1.1     | 1.1           | 88.7        |
|             | 64    | 4         | .5      | .5            | 89.2        |
|             | 65    | 9         | 1.1     | 1.1           | 90.3        |
|             | 66    | 6         | .8      | .8            | 91.1        |
|             | 67    | 5         | .6      | .6            | 91.7        |

## AGE AGE OF RESPONDENT (continued)

| Value Label | Value | Frequency | Percent | Valid Percent | Cum Percent |
|-------------|-------|-----------|---------|---------------|-------------|
|             | 68    | 7         | .9      | .9            | 92.6        |
|             | 69    | 10        | 1.3     | 1.3           | 93.9        |
|             | 70    | 6         | .8      | .8            | 94.7        |
|             | 71    | 3         | .4      | .4            | 95.1        |
|             | 72    | 3         | .4      | .4            | 95.5        |
|             | 73    | 5         | .7      | .7            | 96.2        |
|             | 74    | 1         | .1      | .1            | 96.3        |
|             | 75    | 2         | .3      | .3            | 96.6        |
|             | 76    | 7         | .9      | .9            | 97.6        |
|             | 77    | 3         | .4      | .4            | 98.0        |
|             | 78    | 2         | .2      | .2            | 98.2        |
|             | 79    | 4         | .5      | .5            | 98.7        |
|             | 81    | 1         | .2      | .2            | 98.9        |
|             | 82    | 2         | .2      | .2            | 99.1        |
|             | 83    | 4         | .5      | .5            | 99.6        |
|             | 84    | 1         | .1      | .1            | 99.7        |
|             | 85    | 1         | .1      | .1            | 99.8        |
|             | 86    | 1         | .2      | .2            | 99.9        |
|             | 94    | 1         | .1      | .1            | 100.0       |
|             | 99    | 16        | 2.0     | Missing       |             |
|             | Total | 803       | 100.0   | 100.0         |             |

Valid cases 787 Missing cases 16

## PARTYID POLITICAL PARTY IDENTIFICATION

| Value Label | Value | Frequency | Percent | Valid Percent | Cum Percent |
|-------------|-------|-----------|---------|---------------|-------------|
| Strong Dem  | 1     | 129       | 16.1    | 17.7          | 17.7        |
| Weak Dem    | 2     | 125       | 15.6    | 17.1          | 34.8        |
| Indep Dem   | 3     | 94        | 11.7    | 12.8          | 47.6        |
| Indep Ind   | 4     | 105       | 13.0    | 14.3          | 62.0        |
| Indep Rep   | 5     | 86        | 10.7    | 11.7          | 73.7        |
| Weak Rep    | 6     | 112       | 13.9    | 15.3          | 89.0        |
| Strong Rep  | 7     | 80        | 10.0    | 11.0          | 100.0       |
| Apolitical  | 9     | 73        | 9.1     | Missing       |             |
|             | Total | 803       | 100.0   | 100.0         |             |

Valid cases 730 Missing cases 73



## QG11 NUMBER OF PEOPLE LIVING IN HOUSEHOLD

| Value Label | Value | Frequency | Percent | Valid Percent | Cum Percent |
|-------------|-------|-----------|---------|---------------|-------------|
| Live alone  | 1     | 85        | 10.5    | 10.6          | 10.6        |
|             | 2     | 285       | 35.4    | 35.7          | 46.3        |
|             | 3     | 159       | 19.8    | 19.9          | 66.2        |
|             | 4     | 152       | 18.9    | 19.0          | 85.2        |
|             | 5     | 71        | 8.9     | 8.9           | 94.1        |
|             | 6     | 26        | 3.2     | 3.3           | 97.4        |
|             | 7     | 10        | 1.2     | 1.2           | 98.6        |
|             | 8     | 2         | .3      | .3            | 98.9        |
|             | 9     | 9         | 1.1     | 1.1           | 100.0       |
| RA          | 99    | 5         | .7      | Missing       |             |
|             | Total | 803       | 100.0   | 100.0         |             |

Valid cases 798 Missing cases 5

## QG11A NUMBER OF PEOPLE IN HH UNDER 18

| Value Label | Value | Frequency | Percent | Valid Percent | Cum Percent |
|-------------|-------|-----------|---------|---------------|-------------|
|             | 0     | 388       | 48.3    | 54.4          | 54.4        |
|             | 1     | 119       | 14.8    | 16.6          | 71.0        |
|             | 2     | 134       | 16.7    | 18.8          | 89.8        |
|             | 3     | 48        | 6.0     | 6.7           | 96.5        |
|             | 4     | 18        | 2.2     | 2.5           | 99.0        |
|             | 5     | 3         | .4      | .4            | 99.4        |
|             | 6     | 2         | .3      | .3            | 99.7        |
|             | 7     | 2         | .3      | .3            | 100.0       |
|             | .     | 90        | 11.2    | Missing       |             |
|             | Total | 803       | 100.0   | 100.0         |             |

Valid cases 713 Missing cases 90

## QG15 NUMBER OF PEOPLE CONTRIB TO INCOME

| Value Label | Value | Frequency     | Percent | Valid Percent | Cum Percent |
|-------------|-------|---------------|---------|---------------|-------------|
|             | 1     | 222           | 27.7    | 29.0          | 29.0        |
|             | 2     | 466           | 58.0    | 60.9          | 89.9        |
|             | 3     | 55            | 6.9     | 7.2           | 97.1        |
|             | 4     | 18            | 2.3     | 2.4           | 99.5        |
|             | 5     | 4             | .5      | .5            | 100.0       |
| DK          | 88    | 10            | 1.3     | Missing       |             |
| RA          | 99    | 28            | 3.5     | Missing       |             |
|             |       | -----         | -----   | -----         |             |
|             | Total | 803           | 100.0   | 100.0         |             |
| Valid cases | 765   | Missing cases | 38      |               |             |

## APPENDIX C

## DEFINITIONS OF CONSTRUCTED VARIABLES

Certain variables have been constructed for the convenience of the user, and to aid interpretations of the variables used in this survey to summarize multi-variable composites, such as the respondent's employment status or household size. In this Appendix, the variables are operationally defined, and the SPSS-PC statements are presented which were used to construct each variable. The distributions for these variables are presented in Chapter 2 of this report.

| <u>VARIABLE</u> | <u>DEFINITION</u>               | <u>PAGE</u> |
|-----------------|---------------------------------|-------------|
| AGE             | Age of respondent               | C-2         |
| AGEMD           | Age of respondent, grouped      | C-2         |
| RACE            | Race of respondent              | C-2         |
| GENDER          | Gender of respondent            | C-2         |
| EDUC            | Education of respondent         | C-3         |
| WKSTATUS        | Work status of respondent       | C-3         |
| MARSTAT         | Marital status of respondent    | C-3         |
| PARTYID         | Political party identification  | C-4         |
| PARTY           | Political party, grouped        | C-4         |
| HHCOMP          | Household composition           | C-5         |
| HHSIZE          | Household size                  | C-5         |
| NADULTS         | Number of adults in household   | C-6         |
| NKIDS           | Number of children in household | C-6         |
| INCOME          | Household income                | C-6         |
| HHWKSTAT        | Household work status           | C-7         |
| CITY            | City of residence               | C-7         |
| COUNTY          | County of residence             | C-7         |
| WGHT            | Case-weighting factor           | C-8         |

**AGE** Age of respondent in years (uncollapsed). This variable was constructed by subtracting the respondent's year of birth from 1997. Those who refused to give their year of birth were assigned a value of 99 and defined as missing.

```
COMPUTE AGE = 1997 - QG6.
IF (QG6 = 8888 OR QG6 = 9999)AGE = 99.
MISSING VALUES AGE (99).
VARIABLE LABELS AGE 'AGE OF RESPONDENT'.
FORMAT AGE (F2.0).
```

**AGEMD** Age of respondent in years, collapsed into 6 midpoint categories. This variable recodes AGE so that 18 through 24 year olds are in group 1, 25 through 34 year olds are in group 2, 35 through 44 year olds are in group 3, 45 through 54 year olds are in group 4, 55 through 64 year olds are in group 5, and those 65 and older are in group 6. Those refusing to give their ages were assigned to category 99.

```
COMPUTE AGEMD=AGE.
RECODE AGEMD(LO THRU 24=1) (25 THRU 34=2) (35 THRU 44=3) (45 THRU 54=4)
(55 THRU 64=5) (65 THRU 98=6) (SYSMIS=99).
MISSING VALUES AGEMD(99).
VARIABLE LABELS AGEMD 'AGE OF RESPONDENT, GROUPED'.
VALUE LABELS AGEMD 1 '18 - 24' 2 '25 - 34' 3 '35 - 44' 4 '45 - 54'
5 '55 - 64' 6 '65 AND OLDER'.
FORMAT AGEMD (F2.0).
```

**RACE** Respondent's self-reported racial or ethnic background. The original variable G8 was recoded into White and Black, and the remaining individuals are combined into an 'other' category.

```
COMPUTE RACE = QG8.
RECODE RACE (1=1) (3=2) (2,4,5 THRU 7=3) (8=9).
MISSING VALUES RACE (9).
VARIABLE LABELS RACE 'RACE OF RESPONDENT'.
VALUE LABELS RACE 1 'WHITE' 2 'BLACK' 3 'OTHER'.
FORMAT RACE (F1.0).
```

**GENDER** Gender of respondent. This variable is merely the G16 variable set to a new name for the convenience of the datafile users.

```
COMPUTE GENDER = QG16.
VARIABLE LABELS GENDER 'GENDER OF RESPONDENT'.
VALUE LABELS GENDER 1 'MALE' 2 'FEMALE'.
FORMAT GENDER (F1.0).
```

**EDUC** Educational level of respondent. This variable is merely the G7 variable set to a new name for the convenience of the data file users.

```

COMPUTE EDUC = QG7.
RECODE EDUC (88,99=99).
MISSING VALUES EDUC (99).
VARIABLE LABELS EDUC 'EDUCATION OF RESPONDENT'.
VALUE LABELS EDUC 10 'LESS THAN HS' 11 'SOME HS' 12 'HS GRADUATE'
                  13 'SOME TECH SCHOOL' 14 'TECH SCHOOL GRAD'
                  15 'SOME COLLEGE' 16 'COLLEGE GRADUATE'
                  17 'POST GRAD/PROF DEG' 18 'OTHER'.
FORMAT EDUC (F2.0).

```

**WKSTATUS** Respondent's employment status. This variable was constructed from the working variables G10, G10A, and G10B1 through G10B4 and is prioritized so that those respondents who have more than one status, for example, women who have a part time job and who are housewives, are assigned to the working category status as opposed to the housewife (or retiree, student...) category. Fulltime workers are in WKSTATUS value 1; parttime workers are in WKSTATUS value 2; those who are unemployed are in WKSTATUS value 3; individuals who are students and retirees and do not have paying jobs are in WKSTATUS values 4 and 5, respectively. Individuals who are homemakers and who do have have paying jobs outside the home are in WKSTATUS value 6.

```

COMPUTE WKSTATUS = 9.
IF (QG10 = 1 AND QG10A <=2)WKSTATUS = QG10A.
IF (QG10 <> 1 AND QG10B4 = 1)WKSTATUS = 6.
IF (QG10 <> 1 AND QG10B1 = 1)WKSTATUS = 5.
IF (QG10 <> 1 AND QG10B3 = 1)WKSTATUS = 4.
IF (QG10 <> 1 AND QG10B2 = 1)WKSTATUS = 3.
MISSING VALUES WKSTATUS (9).
VARIABLE LABELS WKSTATUS 'WORK STATUS OF RESPONDENT'.
VALUE LABELS WKSTATUS 1 'WORKED FULL TIME' 2 'WORKED PART TIME'
                    3 'UNEMPLOYED' 4 'STUDENT' 5 'RETIRED' 6 'HOMEMAKER'.
FORMAT WKSTATUS (F1.0).

```

**MARSTAT** Marital status of respondent. This variable is merely the G5 variable set to a new name for the convenience of the data file users.

```

COMPUTE MARSTAT = QG5.
RECODE MARSTAT (8,9=9).
MISSING VALUES MARSTAT (9).
VARIABLE LABELS MARSTAT 'MARITAL STATUS OF RESPONDENT'.
VALUE LABELS MARSTAT 1 'MARRIED' 2 'SINGLE' 3 'DIVORCED'
                    4 'SEPARATED' 5 'WIDOWED'.
FORMAT MARSTAT (F1.0).

```

**PARTYID** Political party identification of respondent. This variable indicates strength of political affiliation as well as party identification. It represents a composite of questions G9A, G9B, and G9C.

```

COMPUTE PARTYID = 0.
IF (QG9A = 1) PARTYID=7.
IF (QG9A = 2) PARTYID=6.
IF (QG9C = 1) PARTYID=5.
IF (QG9C = 3) PARTYID=4.
IF (QG9C = 2) PARTYID=3.
IF (QG9B = 2) PARTYID=2.
IF (QG9B = 1) PARTYID=1.
IF (QG9A=8 OR QG9A=9 OR QG9B=8 OR QG9B=9 OR QG9C=8 OR QG9C=9) PARTYID=9.
MISSING VALUES PARTYID (9)
VARIABLE LABELS PARTYID 'POLITICAL PARTY IDENTIFICATION'.
VALUE LABELS PARTYID 1 'Strong Dem' 2 'Weak Dem' 3 'Indep Dem'
                    4 'Indep Ind' 5 'Indep Rep' 6 'Weak Rep'
                    7 'Strong Rep' 9 'Apolitical'.
FORMAT PARTYID (F1.0).

```

**PARTY** This is the recoded version of the political party identification variable QG9. The Democratic category includes Independents who think of themselves as closer to the Democratic party as well strong and weak Democrats. A comparable procedure is followed for the Republican category. The only people who remain in the Independent category are those individuals who do not think of themselves as close to either of the major political parties.

```

COMPUTE PARTY = 9.
IF (PARTYID = 7 OR PARTYID = 6 OR PARTYID = 5) PARTY=3.
IF (PARTYID = 1 OR PARTYID = 2 OR PARTYID = 3) PARTY=1.
IF (PARTYID = 4) PARTY = 2.
MISSING VALUES PARTY (9).
VARIABLE LABELS PARTY 'POLITICAL PARTY, GROUPED'.
VALUE LABELS PARTY 1 'Democratic' 2 'Independent'
                    3 'Republican' 9 'Apolitical'.
FORMAT PARTY (F1.0).

```

## HHCOMP

This variable is constructed from the marital status of the respondent and the number of children reported living in the household. Respondents who were married, and had children living in the home were assigned a value of 1. Those who were married, and had no children living in the home were assigned a value of 2. Individuals who were divorced, separated, widowed, or single, and who had children in the home were assigned a value of 3. Singles without children were assigned a 4.

```

COMPUTE TEMPVAR = QG5.
COMPUTE TEMPVAR2 = QG11A.
RECODE TEMPVAR (3,4,5 = 2)/TEMPVAR2 (SYSMIS=0).
IF ((TEMPVAR = 1) AND (TEMPVAR2 = 0))HHCOMP = 2.
IF ((TEMPVAR = 1) AND ((TEMPVAR2 GE 1) AND (TEMPVAR2 LT 88)))HHCOMP = 1.
IF ((TEMPVAR = 2) AND (TEMPVAR2 = 0))HHCOMP = 4.
IF ((TEMPVAR = 2) AND ((TEMPVAR2 GE 1) AND (TEMPVAR2 LT 88)))HHCOMP = 3.
IF (TEMPVAR GE 6)HHCOMP = 9.
IF (TEMPVAR2 GE 88)HHCOMP = 9.
MISSING VALUES HHCOMP (9).
VARIABLE LABELS HHCOMP 'HOUSEHOLD COMPOSITION'.
VALUE LABELS HHCOMP 1 'MARRIED, KIDS' 2 'MARRIED, NO KIDS' 3 'SINGLE PARENT'
                4 'SINGLE, NO KIDS'.
FORMAT TEMPVAR HHCOMP (F2.0).

```

## HHSIZE

The total number of people reported to be living in the household. This variable is derived from G11, and recoded so that the value 3 represents households with 3 or 4 persons living in the household, and value 4 represents those households in which more than 4 persons live.

```

COMPUTE HHSIZE = QG11.
RECODE HHSIZE (3,4 = 3)(5 THRU 30 = 4)(88,99 = 9).
MISSING VALUES HHSIZE (9).
VARIABLE LABELS HHSIZE 'HOUSEHOLD SIZE'.
VALUE LABELS HHSIZE 1 'ONE PERSON' 2 'TWO PEOPLE' 3 '3 OR 4 PEOPLE'
                4 '5 OR MORE PEOPLE'.
FORMAT HHSIZE (F1.0).

```

**NADULTS**

The number of adult members living in the respondent's household, including him/her self. This variable was constructed by taking the total number of individuals living in the household (G11), and subtracting the total number of children (18 or younger) reported to be living in the household (G11A). Since this variable was used in the construction of the weighting variable, the few missing cases were assigned to the 1 category.

```
COMPUTE TEMPVAR = QG11A.
RECODE TEMPVAR (88,98,99,SYSMIS = 0).
COMPUTE NADULTS = QG11 - TEMPVAR.
IF (QG11 GE 88)NADULTS = 1.
VARIABLE LABELS NADULTS 'NUMBER OF ADULTS IN HOUSEHOLD'.
FORMAT NADULTS (F2.0).
```

**NKIDS**

The number of household members who are under 18 years of age. This variable is merely the G11A variable set to a new name for the convenience of the data file users.

```
COMPUTE NKIDS = QG11A.
RECODE NKIDS (98, SYSMIS = 0)(88,99 = 99).
MISSING VALUE NKIDS(99).
VARIABLE LABELS NKIDS 'NUMBER OF CHILDREN IN HOUSEHOLD'.
FORMAT NKIDS (F1.0).
```

**INCOME**

Reported household income level for 1996. This variable represents a composite of questions G13 through G13B. The categories of INCOME are those under G13A and G13B.

```
COMPUTE INCOME = 99.
IF (QG13 = 1)INCOME = QG13A.
IF (QG13 = 2)INCOME = QG13B.
RECODE INCOME (88=99).
MISSING VALUES INCOME(99).
VARIABLE LABELS INCOME 'HOUSEHOLD INCOME'.
VALUE LABELS INCOME 1 'UNDER $5,000' 2 '$5 TO 10,000' 3 '$10 TO 15,000'
4 '$15 TO 20,000' 5 '$20 TO 25,000' 6 '$25 TO 30,000'
7 '$30 TO 35,000' 8 '$35 TO 40,000' 9 '$40 TO 50,000'
10 '$50 TO 60,000' 11 '$60 TO 70,000' 12 '$70 TO 80,000'
13 'MORE THAN $80,000'
FORMAT INCOME (F2.0).
```



**HHWKSTAT** Head of household's employment status. The variable is set equal to WKSTATUS if G12 is 1, that is, the respondent contributed most to the household income. If someone else contributed most to the household income, HHWKSTAT is calculated in the same way as WKSTATUS except using the variables G12A, G12A1, and G12A2A through G12A2D.

```

COMPUTE HHWKSTAT = 9.
COMPUTE TEMPVAR = QG12.
RECODE TEMPVAR (SYSMIS=1).
IF (QG12A = 1 AND QG12A1 <=2)HHWKSTAT = QG12A1.
IF (QG12A <> 1 AND QG12A2D = 1)HHWKSTAT = 6.
IF (QG12A <> 1 AND QG12A2A = 1)HHWKSTAT = 5.
IF (QG12A <> 1 AND QG12A2C = 1)HHWKSTAT = 4.
IF (QG12A <> 1 AND QG12A2B = 1)HHWKSTAT = 3.
MISSING VALUES HHWKSTAT (9).
IF (TEMPVAR = 1 AND NOT MISSING(WKSTATUS))HHWKSTAT=WKSTATUS.
VARIABLE LABELS HHWKSTAT 'HOUSEHOLD WORK STATUS'.
VALUE LABELS HHWKSTAT 1 'WORKED FULL TIME' 2 'WORKED PART TIME'
3 'UNEMPLOYED' 4 'STUDENT' 5 'RETIRED' 6 'HOMEMAKER'.
FORMAT HHWKSTAT (F1.0).

```

**CITY** City where the respondent lives. This is a recoded version of zip code, so it is only an approximation of actual city of residence.

```

COMPUTE CITY = 3.
IF (QG2 = 55401 OR QG2 = 55402 OR QG2 = 55403 OR QG2 = 55404 OR QG2 = 55405
OR QG2 = 55406 OR QG2 = 55407 OR QG2 = 55408 OR QG2 = 55409 OR QG2 = 55410
OR QG2 = 55411 OR QG2 = 55412 OR QG2 = 55413 OR QG2 = 55414 OR QG2 = 55415
OR QG2 = 55417 OR QG2 = 55418 OR QG2 = 55419 OR QG2 = 55454 OR QG2 = 55455
OR QG2 = 55440) CITY=1.
IF (QG2 = 55101 OR QG2 = 55102 OR QG2 = 55103 OR QG2 = 55104 OR QG2 = 55105
OR QG2 = 55106 OR QG2 = 55107 OR QG2 = 55108 OR QG2 = 55116 OR QG2 = 55117)
CITY=2.
IF (QG2=88888 OR QG2=99999) CITY=9.
MISSING VALUES CITY (9).
VARIABLE LABELS CITY 'LOCATION OF RESIDENT'.
VALUE LABELS CITY 1 'MINNEAPOLIS' 2 'ST PAUL' 3 'OTHER'.
FORMAT CITY (F1.0).

```

**COUNTY** County in which the respondent reports living. COUNTY is an unrecoded duplicate of question E18.

```

COMPUTE COUNTY = QE18.
RECODE COUNTY (8=9).
MISSING VALUES COUNTY (9).
VARIABLE LABELS COUNTY 'COUNTY OF RESIDENCE'.
VALUE LABELS COUNTY 1 'ANOKA' 2 'CARVER' 3 'DAKOTA' 4 'HENNEPIN' 5 'RAMSEY'
6 'SCOTT' 7 'WASHINGTON'.
FORMAT COUNTY (F2.0).

```

## WGHT

Case-weighting factor to adjust for household size and county bias in the final sample of completed interviews. This variable weights each respondent's representation in the sample according to the number of adult members living in the household, with the purpose being to downweight respondents living in one-adult households, and upweight those living in two or more person households. At the same time, it weights the respondent's representation in the sample by county of residence, with the purpose being to upweight Hennepin and Ramsey counties and downweight the other five counties.

The weighting factor was derived by looking at a crosstabulation of NADULTS in UNWEIGHTED form, and making the following computation separately for each county:

| VALUE |   | FREQUENCY (n) |     | PRODUCT  |
|-------|---|---------------|-----|----------|
| 1     | x | n             | =   | n        |
| 2     | x | n             | =   | nn       |
| 3     | x | n             | =   | nnn      |
| 4     | x | n             | =   | nnnn     |
| 5     | x | n             | =   | nnnnn    |
| 6     | x | n             | =   | nnnnnn   |
|       |   |               | SUM | nnnnnnnn |

Weighting factor for Anoka County  
 = total sample size (803) \* true population proportion  
 (.1019)/sum of NADULTS (203).

Weighting factor for Carver County  
 = total sample size (803) \* true population proportion  
 (.0226)/sum of NADULTS (57).

Weighting factor for Dakota County  
 = total sample size (803) \* true population proportion  
 (.1221)/sum of NADULTS (213).

Weighting factor for Hennepin County  
 = total sample size (803) \* true population proportion  
 (.4579)/sum of NADULTS (597).

Weighting factor for Ramsey County  
 = total sample size (803) \* true population proportion  
 (.2017)/sum of NADULTS (276).

Weighting factor for Scott County  
 = total sample size (803) \* true population proportion  
 (.0259)/sum of NADULTS (44).

Weighting factor for Washington County  
= total sample size (803) \* true population proportion  
(.0680)/sum of NADULTS (152).

Each respondent is assigned a case weight by multiplying  
his/her value of NADULTS by this weighting factor. This  
is accomplished in SPSS-PC by the following statements:

```
COMPUTE WGHT=0.  
IF (COUNTY = 1) WEIGHT=(803*.1019/203)*NADULTS.  
IF (COUNTY = 2) WEIGHT=(803*.0226/57)*NADULTS.  
IF (COUNTY = 3) WEIGHT=(803*.1221/213)*NADULTS.  
IF (COUNTY = 4) WEIGHT=(803*.4579/597)*NADULTS.  
IF (COUNTY = 5) WEIGHT=(803*.2017/276)*NADULTS.  
IF (COUNTY = 6) WEIGHT=(803*.0259/44)*NADULTS.  
IF (COUNTY = 7) WEIGHT=(803*.0680/152)*NADULTS.  
VARIABLE LABELS WGHT 'CASE-WEIGHTING FACTOR'.  
WEIGHT BY WGHT.  
FORMAT WGHT (F17.16).
```

## APPENDIX D

## ADMINISTRATIVE VARIABLES

| <u>VARIABLE</u> | <u>DESCRIPTION</u>                            | <u>PAGE</u> |
|-----------------|---|-------------|
| MDOC            | Master ID log date of completion. . . . .     | D-2         |
| MIID            | Master ID log interviewer ID number . . . . . | D-4         |
| MLEN            | Master ID log interview length. . . . .       | D-5         |
| MMONIT          | Master ID log monitored . . . . .             | D-6         |
| MRCON           | Master ID log refusal conversion. . . . .     | D-6         |
| MVER            | Master ID log verified. . . . .               | D-6         |
| CCONT           | CATI number of contacts . . . . .             | D-7         |

## MDOC            MASTER ID LOG DATE OF COMPLETION

| Value Label | Value | Frequency | Percent | Valid Percent | Cum Percent |
|-------------|-------|-----------|---------|---------------|-------------|
|             | 105   | 16        | 1.9     | 1.9           | 1.9         |
|             | 106   | 16        | 2.0     | 2.0           | 3.9         |
|             | 107   | 19        | 2.4     | 2.4           | 6.3         |
|             | 108   | 30        | 3.8     | 3.8           | 10.0        |
|             | 110   | 11        | 1.3     | 1.3           | 11.4        |
|             | 111   | 16        | 2.0     | 2.0           | 13.3        |
|             | 112   | 29        | 3.6     | 3.6           | 17.0        |
|             | 113   | 40        | 5.0     | 5.0           | 21.9        |
|             | 114   | 21        | 2.6     | 2.6           | 24.5        |
|             | 115   | 36        | 4.5     | 4.5           | 29.0        |
|             | 117   | 16        | 2.0     | 2.0           | 31.0        |
|             | 118   | 6         | .7      | .7            | 31.8        |
|             | 120   | 21        | 2.6     | 2.6           | 34.3        |
|             | 121   | 16        | 2.0     | 2.0           | 36.3        |
|             | 122   | 26        | 3.3     | 3.3           | 39.6        |
|             | 124   | 11        | 1.4     | 1.4           | 41.0        |
|             | 125   | 2         | .2      | .2            | 41.2        |
|             | 126   | 17        | 2.1     | 2.1           | 43.3        |
|             | 127   | 11        | 1.3     | 1.3           | 44.6        |
|             | 128   | 11        | 1.3     | 1.3           | 46.0        |
|             | 129   | 16        | 2.0     | 2.0           | 47.9        |
|             | 131   | 2         | .3      | .3            | 48.2        |
|             | 201   | 13        | 1.6     | 1.6           | 49.8        |
|             | 202   | 10        | 1.2     | 1.2           | 51.1        |
|             | 203   | 8         | 1.0     | 1.0           | 52.0        |
|             | 204   | 2         | .2      | .2            | 52.3        |
|             | 205   | 12        | 1.5     | 1.5           | 53.8        |
|             | 207   | 2         | .2      | .2            | 54.0        |
|             | 208   | 8         | 1.0     | 1.0           | 54.9        |
|             | 209   | 7         | .9      | .9            | 55.8        |
|             | 210   | 6         | .8      | .8            | 56.6        |
|             | 211   | 12        | 1.5     | 1.5           | 58.1        |
|             | 212   | 12        | 1.5     | 1.5           | 59.6        |
|             | 1117  | 15        | 1.9     | 1.9           | 61.5        |
|             | 1118  | 18        | 2.3     | 2.3           | 63.8        |
|             | 1119  | 13        | 1.7     | 1.7           | 65.5        |
|             | 1120  | 14        | 1.7     | 1.7           | 67.2        |
|             | 1122  | 13        | 1.6     | 1.6           | 68.8        |
|             | 1123  | 15        | 1.9     | 1.9           | 70.6        |
|             | 1124  | 30        | 3.7     | 3.7           | 74.3        |
|             | 1125  | 12        | 1.5     | 1.5           | 75.9        |
|             | 1201  | 16        | 2.0     | 2.0           | 77.9        |
|             | 1202  | 17        | 2.1     | 2.1           | 80.0        |
|             | 1203  | 7         | .9      | .9            | 80.9        |
|             | 1204  | 26        | 3.3     | 3.3           | 84.2        |
|             | 1206  | 6         | .7      | .7            | 84.9        |
|             | 1207  | 18        | 2.3     | 2.3           | 87.2        |
|             | 1208  | 15        | 1.8     | 1.8           | 89.0        |
|             | 1209  | 11        | 1.4     | 1.4           | 90.4        |
|             | 1210  | 7         | .8      | .8            | 91.2        |
|             | 1211  | 6         | .8      | .8            | 92.0        |

## MDOC      MASTER ID LOG DATE OF COMPLETION (continued)

| Value Label | Value | Frequency     | Percent | Valid<br>Percent | Cum<br>Percent |
|-------------|-------|---------------|---------|------------------|----------------|
|             | 1213  | 2             | .3      | .3               | 92.3           |
|             | 1215  | 10            | 1.3     | 1.3              | 93.6           |
|             | 1216  | 12            | 1.5     | 1.5              | 95.1           |
|             | 1217  | 13            | 1.6     | 1.6              | 96.7           |
|             | 1218  | 7             | .9      | .9               | 97.6           |
|             | 1220  | 12            | 1.5     | 1.5              | 99.1           |
|             | 1221  | 7             | .9      | .9               | 100.0          |
|             |       | -----         | -----   | -----            |                |
|             | Total | 803           | 100.0   | 100.0            |                |
| Valid cases | 803   | Missing cases | 0       |                  |                |

## MIID MASTER ID LOG INTERVIEWER ID NUMBER

| Value Label | Value | Frequency     | Percent | Valid Percent | Cum Percent |
|-------------|-------|---------------|---------|---------------|-------------|
|             | 2     | 1             | .1      | .1            | .1          |
|             | 3     | 15            | 1.9     | 1.9           | 2.0         |
|             | 4     | 16            | 2.0     | 2.0           | 3.9         |
|             | 6     | 35            | 4.4     | 4.4           | 8.3         |
|             | 7     | 19            | 2.4     | 2.4           | 10.7        |
|             | 8     | 44            | 5.4     | 5.4           | 16.1        |
|             | 9     | 23            | 2.9     | 2.9           | 19.0        |
|             | 10    | 25            | 3.1     | 3.1           | 22.1        |
|             | 12    | 12            | 1.5     | 1.5           | 23.6        |
|             | 13    | 17            | 2.2     | 2.2           | 25.8        |
|             | 14    | 34            | 4.2     | 4.2           | 30.0        |
|             | 18    | 30            | 3.8     | 3.8           | 33.7        |
|             | 19    | 29            | 3.6     | 3.6           | 37.3        |
|             | 20    | 53            | 6.5     | 6.5           | 43.8        |
|             | 21    | 1             | .2      | .2            | 44.0        |
|             | 22    | 50            | 6.3     | 6.3           | 50.3        |
|             | 24    | 4             | .5      | .5            | 50.8        |
|             | 26    | 79            | 9.8     | 9.8           | 60.6        |
|             | 28    | 1             | .1      | .1            | 60.7        |
|             | 29    | 8             | 1.0     | 1.0           | 61.8        |
|             | 30    | 26            | 3.2     | 3.2           | 64.9        |
|             | 32    | 75            | 9.4     | 9.4           | 74.3        |
|             | 33    | 23            | 2.8     | 2.8           | 77.2        |
|             | 34    | 26            | 3.2     | 3.2           | 80.4        |
|             | 40    | 2             | .2      | .2            | 80.6        |
|             | 41    | 26            | 3.3     | 3.3           | 83.9        |
|             | 42    | 19            | 2.4     | 2.4           | 86.3        |
|             | 44    | 50            | 6.2     | 6.2           | 92.5        |
|             | 45    | 22            | 2.8     | 2.8           | 95.2        |
|             | 47    | 38            | 4.8     | 4.8           | 100.0       |
|             |       | -----         | -----   | -----         |             |
|             | Total | 803           | 100.0   | 100.0         |             |
| Valid cases | 803   | Missing cases | 0       |               |             |

## MLEN      MASTER ID LOG INTERVIEW LENGTH

| Value Label | Value | Frequency     | Percent | Valid Percent | Cum Percent |
|-------------|-------|---------------|---------|---------------|-------------|
|             | 7     | 2             | .2      | .2            | .2          |
|             | 8     | 1             | .2      | .2            | .4          |
|             | 9     | 1             | .1      | .1            | .5          |
|             | 10    | 1             | .1      | .1            | .6          |
|             | 11    | 6             | .7      | .7            | 1.4         |
|             | 12    | 15            | 1.9     | 1.9           | 3.3         |
|             | 13    | 22            | 2.8     | 2.8           | 6.0         |
|             | 14    | 37            | 4.6     | 4.6           | 10.6        |
|             | 15    | 49            | 6.1     | 6.1           | 16.8        |
|             | 16    | 60            | 7.5     | 7.5           | 24.3        |
|             | 17    | 46            | 5.7     | 5.7           | 30.0        |
|             | 18    | 58            | 7.2     | 7.2           | 37.2        |
|             | 19    | 58            | 7.2     | 7.2           | 44.4        |
|             | 20    | 71            | 8.8     | 8.8           | 53.2        |
|             | 21    | 67            | 8.4     | 8.4           | 61.6        |
|             | 22    | 34            | 4.3     | 4.3           | 65.9        |
|             | 23    | 47            | 5.8     | 5.8           | 71.7        |
|             | 24    | 24            | 3.0     | 3.0           | 74.7        |
|             | 25    | 41            | 5.2     | 5.2           | 79.9        |
|             | 26    | 24            | 3.0     | 3.0           | 82.8        |
|             | 27    | 23            | 2.9     | 2.9           | 85.7        |
|             | 28    | 18            | 2.3     | 2.3           | 88.0        |
|             | 29    | 10            | 1.3     | 1.3           | 89.3        |
|             | 30    | 17            | 2.1     | 2.1           | 91.4        |
|             | 31    | 9             | 1.1     | 1.1           | 92.4        |
|             | 32    | 7             | .9      | .9            | 93.4        |
|             | 33    | 2             | .3      | .3            | 93.7        |
|             | 34    | 6             | .7      | .7            | 94.4        |
|             | 35    | 5             | .7      | .7            | 95.1        |
|             | 36    | 5             | .6      | .6            | 95.7        |
|             | 37    | 2             | .3      | .3            | 96.0        |
|             | 38    | 1             | .1      | .1            | 96.1        |
|             | 39    | 6             | .7      | .7            | 96.8        |
|             | 40    | 5             | .6      | .6            | 97.4        |
|             | 41    | 1             | .1      | .1            | 97.4        |
|             | 42    | 6             | .8      | .8            | 98.2        |
|             | 44    | 2             | .2      | .2            | 98.4        |
|             | 45    | 2             | .3      | .3            | 98.7        |
|             | 46    | 3             | .4      | .4            | 99.1        |
|             | 47    | 2             | .3      | .3            | 99.4        |
|             | 50    | 1             | .2      | .2            | 99.5        |
|             | 53    | 1             | .1      | .1            | 99.6        |
|             | 55    | 1             | .2      | .2            | 99.8        |
|             | 61    | 1             | .2      | .2            | 99.9        |
|             | 106   | 1             | .1      | .1            | 100.0       |
|             | Total | 803           | 100.0   | 100.0         |             |
| Valid cases | 803   | Missing cases | 0       |               |             |



## MMONIT MASTER ID LOG MONITORED

| Value Label | Value | Frequency     | Percent | Valid Percent | Cum Percent |
|-------------|-------|---------------|---------|---------------|-------------|
| Yes         | 1     | 232           | 28.9    | 28.9          | 28.9        |
| No          | 2     | 571           | 71.1    | 71.1          | 100.0       |
|             |       | -----         | -----   | -----         |             |
|             | Total | 803           | 100.0   | 100.0         |             |
| Valid cases | 803   | Missing cases | 0       |               |             |

## MRCON MASTER ID LOG REFUSAL CONVERSION

| Value Label | Value | Frequency     | Percent | Valid Percent | Cum Percent |
|-------------|-------|---------------|---------|---------------|-------------|
| Yes         | 1     | 75            | 9.4     | 9.4           | 9.4         |
| No          | 2     | 728           | 90.6    | 90.6          | 100.0       |
|             |       | -----         | -----   | -----         |             |
|             | Total | 803           | 100.0   | 100.0         |             |
| Valid cases | 803   | Missing cases | 0       |               |             |

## MVER MASTER ID LOG VERIFIED

| Value Label | Value | Frequency     | Percent | Valid Percent | Cum Percent |
|-------------|-------|---------------|---------|---------------|-------------|
| Yes         | 1     | 46            | 5.7     | 5.7           | 5.7         |
| No          | 2     | 757           | 94.3    | 94.3          | 100.0       |
|             |       | -----         | -----   | -----         |             |
|             | Total | 803           | 100.0   | 100.0         |             |
| Valid cases | 803   | Missing cases | 0       |               |             |

## CCONT      CATI NUMBER OF CONTACTS

| Value Label | Value | Frequency     | Percent | Valid Percent | Cum Percent |
|-------------|-------|---------------|---------|---------------|-------------|
|             | 1     | 242           | 30.1    | 30.1          | 30.1        |
|             | 2     | 114           | 14.2    | 14.2          | 44.3        |
|             | 3     | 90            | 11.3    | 11.3          | 55.5        |
|             | 4     | 73            | 9.1     | 9.1           | 64.6        |
|             | 5     | 52            | 6.5     | 6.5           | 71.1        |
|             | 6     | 32            | 4.0     | 4.0           | 75.1        |
|             | 7     | 28            | 3.5     | 3.5           | 78.6        |
|             | 8     | 25            | 3.2     | 3.2           | 81.8        |
|             | 9     | 24            | 2.9     | 2.9           | 84.7        |
|             | 10    | 13            | 1.7     | 1.7           | 86.4        |
|             | 11    | 14            | 1.7     | 1.7           | 88.1        |
|             | 12    | 10            | 1.2     | 1.2           | 89.3        |
|             | 13    | 11            | 1.3     | 1.3           | 90.7        |
|             | 14    | 9             | 1.1     | 1.1           | 91.8        |
|             | 15    | 5             | .7      | .7            | 92.5        |
|             | 16    | 7             | .8      | .8            | 93.3        |
|             | 17    | 4             | .5      | .5            | 93.8        |
|             | 18    | 11            | 1.4     | 1.4           | 95.2        |
|             | 19    | 4             | .5      | .5            | 95.7        |
|             | 20    | 8             | 1.0     | 1.0           | 96.7        |
|             | 21    | 8             | 1.0     | 1.0           | 97.7        |
|             | 22    | 2             | .2      | .2            | 97.9        |
|             | 23    | 3             | .4      | .4            | 98.3        |
|             | 24    | 2             | .3      | .3            | 98.6        |
|             | 26    | 4             | .5      | .5            | 99.2        |
|             | 28    | 1             | .2      | .2            | 99.3        |
|             | 29    | 2             | .3      | .3            | 99.6        |
|             | 32    | 1             | .1      | .1            | 99.8        |
|             | 33    | 0             | .1      | .1            | 99.8        |
|             | 40    | 1             | .2      | .2            | 100.0       |
|             |       | -----         | -----   | -----         |             |
|             | Total | 803           | 100.0   | 100.0         |             |
| Valid cases | 803   | Missing cases | 0       |               |             |

## APPENDIX E

## ADMINISTRATIVE FORMS

Appendix E contains brief explanations for the contact record disposition categories, and copies of the administrative forms used in TCAS'97. There were two primary administrative forms: the contact record with callback/refusal forms on the back, and the introduction. Contact records were used to record the actual date and time of each attempted contact with a household, the interviewer ID, and the final outcome (disposition) of each attempted contact.

| <u>FORM</u>                           | <u>PAGE</u> |
|---------------------------------------|-------------|
| Contact record disposition categories | E-2         |
| Contact record                        | E-3         |
| Callback/refusal form                 | E-4         |
| Introduction                          | E-5         |
| Answering machine message             | E-5         |
| Verification script                   | E-6         |
| Statement of professional ethics      | E-7         |

## CONTACT RECORD DISPOSITION CATEGORIES

There were 10 possible disposition categories for each call that was made. A brief explanation for each of these disposition categories is presented below.

| <u>Disposition</u>         | <u>Explanation</u>  |
|----------------------------|---|
| Completed                  | All questions in the interview schedule had been asked.   |
| Partial                    | The interview schedule was started but not completed. In such a case, interviewers were instructed to schedule an appointment to finish the survey, and to fill out the appointment form on the back of the contact record. If a respondent declined to complete the interview, the refusal form was completed. |
| No answer/busy             | All attempts during a shift had resulted in the phone ringing six times without being answered. If no one in a household could be contacted on a minimum of 6 separate shifts, the telephone number was eliminated from the sample.   |
| Ans machine/left msg       | Each time a household answering machine was reached, the interviewer left a message stating the nature of the survey and that we would be calling back. The message also suggested that the household call us to ensure their opinion could be included in the survey.  |
| # disc/not working         | The number was not in operation.  |
| Not home phone             | The number was not for a residential phone.   |
| Phys/lang problem          | Respondent had been selected but could not complete the interview because of a physical or language impairment (for example, illness, hearing impairment, or developmental disability).   |
| Refusal and second refusal | Someone in the household declined to participate. The person who refused could have been any member of the household. Interviewers were instructed to complete the refusal form.  |
| Callback                   | Contact had been made with someone in the household. Interviewers were instructed to suggest a more convenient time to call back and were to fill out the appropriate information on the back of the contact record.  |
| Other                      | Reserved for contingencies not covered by the other dispositions, for example, no one over 18 living in household.  |

Callback time: \_\_\_\_\_

CONTACT RECORD (CATI SURVEY)  
TWIN CITIES AREA SURVEY - 1997

[ ID# \_\_\_\_\_ ]

DATE: \_\_\_\_\_  
TIME: \_\_\_\_\_

(CODER USE ONLY)  
ID \_\_\_\_\_

Completed  
Partial  
No answer/busy  
Ans Machine/left msg  
# disc/not working  
Not home phone  
Phys/lang problem  
1st Refusal  
2nd Refusal  
Callback  
Other

Completed  
Partial  
No answer/busy  
Ans Machine/left msg  
# disc/not working  
Not home phone  
Phys/lang problem  
1st Refusal  
2nd Refusal  
Callback  
Other

INTERVIEWER: \_\_\_\_\_  
# CONTACTS: \_\_\_\_\_

DATE: \_\_\_\_\_  
TIME: \_\_\_\_\_

Completed  
Partial  
No answer/busy  
Ans Machine/left msg  
# disc/not working  
Not home phone  
Phys/lang problem  
1st Refusal  
2nd Refusal  
Callback  
Other

Completed  
Partial  
No answer/busy  
Ans Machine/left msg  
# disc/not working  
Not home phone  
Phys/lang problem  
1st Refusal  
2nd Refusal  
Callback  
Other

INTERVIEWER: \_\_\_\_\_  
# CONTACTS: \_\_\_\_\_

REPAIR OPERATOR  
(after 4 NAs or busy):  
Dial 1-800-573-1311  
Date: \_\_\_/\_\_\_  
I-ID \_\_\_\_\_  
Working 01  
Not working 02  
Business 03  
Other (SPEC) 04

SUPERVISOR: \_\_\_\_\_

TIME START \_\_\_\_\_

TIME END \_\_\_\_\_

EDITED: Y N BY: \_\_\_\_\_

INTERVIEW IN MIN \_\_\_\_\_

INTERVIEWER ID# \_\_\_\_\_

TWIN CITIES AREA SURVEY 1997

| <b>CALLBACK FORM</b>       |               |               |               |               |
|----------------------------|---------------|---------------|---------------|---------------|
|                            | Date ___/___  | Date ___/___  | Date ___/___  | Date ___/___  |
| Speak with resp in person? | Yes / No      | Yes / No      | Yes / No      | Yes / No      |
| Respondent is:             | F / M / DK    | F / M / DK    | F / M / DK    | F / M / DK    |
| Respondent's name:         | _____         | _____         | _____         | _____         |
| Who arranged callback?     | Resp / Else   | Resp / Else   | Resp / Else   | Resp / Else   |
| Callback Time:             | ___:___       | ___:___       | ___:___       | ___:___       |
| Date:                      | ___/___       | ___/___       | ___/___       | ___/___       |
| Was appointment:           | Firm/Prob/?   | Firm/Prob/?   | Firm/Prob/?   | Firm/Prob/?   |
| Was resp open/cooperative? | Yes / No / DK | Yes / No / DK | Yes / No / DK | Yes / No / DK |
| Comments/Information:      | _____         |               |               |               |
|                            | _____         |               |               |               |

| <b>REFUSAL FORM</b>                              |                      |
|--|----------------------|
| Respondent is:                                   | Female / Male        |
| Was respondent person who refused?               | Yes / No             |
| Person answering phone was:                      | Female / Male        |
| Did they seem very busy or inconvenienced?       | Yes / No / Uncertain |
| At what point was the interview terminated?      | _____                |
|  | _____                |
| What reasons were given for refusal?             | _____                |
|  | _____                |
| What arguments were employed by the interviewer? | _____                |
|  | _____                |
| Other comments or information:                   | _____                |
|  | _____                |

## SALMON

## Introduction

## TWIN CITIES AREA SURVEY 1997

- A. Hello, my name is \_\_\_\_\_. I'm a student calling from the University of Minnesota.
- B. We're doing a study about regional issues such as quality of life, transportation, and the environment.
- C. I need to talk to the person in your household who is 18 or older, and had the most recent birthday.

(IF RESPONDENT ASKS, SAY, "IT'S A METHOD OF RANDOMLY SELECTING PEOPLE WITHIN THE HOUSEHOLD")

- D. Your answers will be put with a lot of other people's, so you can't be identified in any way. If there are questions you don't care to answer, we'll skip over them. Okay, let's begin.

(INTERVIEWERS: HOUSEHOLD MEANS WHATEVER THE RESPONDENT THINKS IT MEANS.)

## ANSWERING MACHINE MESSAGE:

This is \_\_\_\_\_ calling from the University of Minnesota. We're doing a study about regional issues such as quality of life, transportation, and government. Your household was selected to participate in our study, and we'll be calling you back another day. Or, to make sure your opinion is counted, you may call us at 627-4300. Thank you.

## 1997 TWIN CITIES AREA SURVEY

## VERIFICATION SCRIPT

- A. Hello, my name is \_\_\_\_\_. I'm a student calling from the University of Minnesota.
- B. A few (days/weeks) ago we called and interviewed someone in your household. I'm calling to verify that a member of your household was interviewed on (DATE) by a member of our staff. Could I please speak with that person?

**IF KNOWN/NEEDED:** The person we interviewed is a (MALE/FEMALE) born in (YEAR).

**WHEN CORRECT PERSON IS ON THE PHONE:**

- C. I'm just calling to verify that you were interviewed on (DATE) by one of our interviewers. The survey was about a number of topics such as quality of life, transportation, government, and the environment.

Do you recall this interview?

- D. **WHEN VERIFIED:** Thank you very much!



## STATEMENT OF PROFESSIONAL ETHICS

All interviewers working for the Minnesota Center for Survey Research (MCSR) are expected to understand that their professional activities are directed and regulated by the following statements of policy.

All research projects conducted at MCSR have received approval from the University's Committee on the Rights of Human Subjects. When study findings are made available, the utmost care is taken to ensure that no data are released that would permit any respondent to be identified.

Interviewers perform a professional function when they obtain information from individuals. Interviewers are expected to maintain professional ethical standards of confidentiality regarding what they hear in telephone interviews or see in a mail survey form. All information about respondents obtained during the course of research is privileged information, whether it relates to the interview itself or to the respondent's home, family, and activities. This information is confidential and should not be discussed with anyone who is not affiliated with the research project.

In addition, blank survey forms, survey questions, and other survey materials should not be distributed to or discussed with anyone who is not affiliated with the research project.

I hereby agree to abide by the policy statements above, and in signing this statement I testify that I, in fact, agree to abide by and understand the contents of this statement. I also understand that if I fail to abide by the policies presented above, my actions constitute grounds for dismissal.

\_\_\_\_\_  
(Please print name here)

\_\_\_\_\_  
(Please sign name here)

Date: \_\_\_\_\_