U.S. Department
of Transportation
Federal Highway
Administration

SUMMARY OF

HIGHWAY STATISTICS

CUSTOMER SERVICES

QUESTIONNAIRE

Moving America

To Jobs. . . To Homes. . . To Market
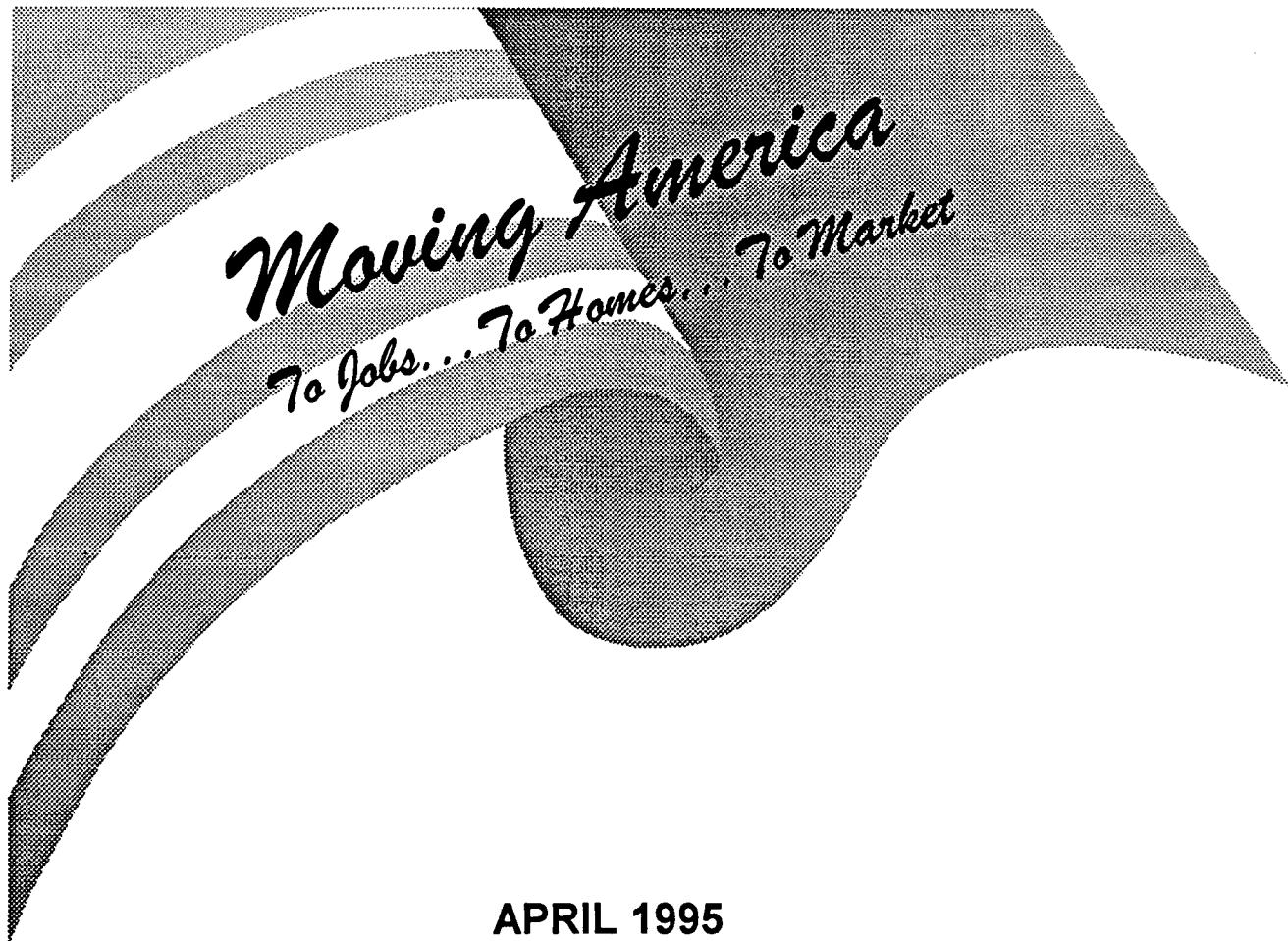
APRIL 1995

SUMMARY OF *HIGHWAY STATISTICS*

QUESTIONNAIRE ON CUSTOMER SERVICES
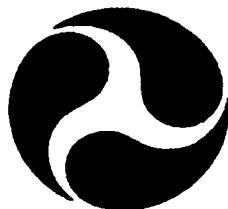
**U.S. Department of
Transportation**

Presented to
Federal Highway Administration
U.S. Department of Transportation
400 7th Street, S.W.
Washington, D.C.

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by:

DRI/McGraw-Hill
1200 G Street, N.W.
Washington, D.C. 20005

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Appendices

EXECUTIVE SUMMARY

The Office of Highway Information Management (OHIM) in the Federal Highway Administration (FHWA) of the U.S. Department of Transportation publishes an annual report, *Highway Statistics*, that presents and analyzes national transportation statistics and trends. The report is used by numerous officials throughout the Federal, State and local governments, as well as by academia and industry.

The FHWA is the principal highway agency of the Federal Government while OHIM is responsible for transportation information systems and statistical analysis. As part of their mission, OHIM conducted a survey of the universe of users of the annual publication with the aim of identifying shortcomings and modifying the report to make it better utilized. OHIM designed the survey, provided a list of respondents, and subsequently contracted DRI/McGraw-Hill (DRI) to conduct the survey and tabulate the results.

This report explains the OHIM survey methodology and the DRI methodology of tabulation of responses; presents the findings of the survey by type of respondent and for specific tables; and provides DRI's recommendations as a result of its review of comments and of the publication itself. The survey results are contained in several Appendices to the report as are the specific comments.

Two of the main results of the survey were the average percentage use of the survey tables and the average score on value and quality of the tables for the different categories of respondents. These summary results are contained in the last Appendix of this report.

The comments revealed two general themes among users:

1. Almost all users had an extremely favorable overall attitude toward the publication.

2. The main suggestions on how to improve the publication related to the reliability and timeliness of the data: their concerns related to assumed inconsistency among the reporting States' requirements and a desire for more frequently updated information.

A.   Introduction

The Office of Highway Information Management (OHIM) of the Federal Highway Administration (FHWA) of the United States Department of Transportation (DOT) under Contract DTFH61-93C-00206, Work Order 94-014 contracted DRI/McGraw-Hill (DRI) to conduct a survey of the readers and users of the annual publication *Highway Statistics*. [1] A copy of the questionnaire and survey instrument can be found in Appendix A to this report. In the process of conducting this survey, DRI was to accomplish four goals:

1.   Identify the value users place on the publication.
2.   Identify the value of individual tables to the users.
3.   Identify how users view the quality of information in the report.
4.   Update the FHWA mailing list for Highway Statistics.

Appendix B summarizes all of the statistical results.

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[1] "This publication was prepared by the Office of Highway Information Management, Federal Highway Administration [and]... is the 48th of an annual series." *Highway Statistics*, 1992 Edition, U.S. Government Printing Office, ISBN 0-16-042970-6.

B.   Methodology

In preparing the distribution of the questionnaires and survey instruments, FHWA's Office of Highway Information Management supplied several lists currently used to mail copies of *Highway Statistics*. All recipients received a questionnaire and one of two survey instruments. The questionnaires asked them to complete the following pieces of information:

- Name
- Address
- Type of organization
- Whether the recipient wished to continue receiving the publication
- Purpose for using *Highway Statistics*
- Suggested improvements to any existing information
- Additional information or tables to be included
- Need for receiving *Highway Statistics* electronically, and if so, by which means.

A copy of the questionnaire is part of Appendix A to this report.

Recipients were divided into two groups, based on instructions received from OHIM. The first group (totaling 376) was asked only to check off, from the 1992 *Highway Statistics'* table of contents, which tables they use on a regular basis. In this report, we will refer to these as the "short" surveys. The second group (294) was asked to complete a detailed survey on each table, graph and/or map contained in *Highway Statistics*. They were asked to identify those tables which they use at least twice a year and rank the usefulness and quality of the data. Rankings ranged from 1 to 5 (with 1 being the least favorable and 5 the most) for usefulness and quality of the data contained in each table. They also were asked if they input this data into a computer for further analysis. These surveys will be referred to as the "long" surveys in the remainder of this report. Both of these surveys are part of Appendix A. Questionnaires and surveys were mailed on September 30, 1994. The final response was

received in mid-January 1995. The overall rate of response was 33 percent (including remailings). This is discussed in more detail in Table 1 on page 4.

As responses were received, the date of response was recorded by the name of the recipient. FHWA Divisional and Regional offices which had not responded by October 30, 1994 were again contacted by OHIM.

The short surveys were scored to calculate each table's frequency of use. NA (for "No Answer") was recorded wherever there was a nonresponse, including questions for which no answer was expected (e.g., for tables not used at least twice year by a respondent, we would expect an "NA" response to frequency of use).

The responses to the long survey were identified by type of population, which included:

- Academia

- US Government -- all Federal Government except FHWA offices or headquarters

- FHWA -- FHWA Divisional, Regional and Headquarters offices

- State DOTs -- State transportation authorities and

- MPO -- Metropolitan Planning Organizations asked to participate by their local FHWA office.

- Industry

- Libraries -- University Libraries

- Other Organizations

Every response concerning table use was scored for (1) number of respondents who use the table at least twice per year, (2) number that input data into the computer and (3) the average and median rankings of the value and quality of the table.

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C.   Findings

1.   Overall Findings

As explained in the previous section, questionnaires and survey instruments were sent to the mailing list for *Highway Statistics*. This section discusses the results of that mailing.

Six hundred and seventy packages were mailed, containing a cover letter from DRI, the questionnaire and the appropriate survey instrument. Also enclosed was a self-addressed envelope. Table 1 shows the results of the mailing.

Table 1
Results of Mailing *

	Mailed	Returned	% Response
Long Form:			
Academia **	25	8	32.0%
US Government	32	7	21.9%
FHWA ***	180	36	20.0%
State DOTs		38	21.1%
MPOs		14	7.8%
Industry	33	3	9.1%
Other Orgs.	24	5	20.8%
Subtotal	294	111	37.8%
Short Form:	376	112	29.8%
Total	**670**	**223**	**33.3%**

*   24 original envelopes were returned for lack of a proper address.. These were not remailed.
**   Includes university libraries
***   Includes FHWA regional and divisional offices; all questionnaires were sent to FHWA division offices for further distribution to State DOTs and selected MPOs.

By dividing the table of contents into 20 distinct sections, the percentage of total use of each section was ranked, as shown in Table 2 below: With the exception of FHWA responses, there were not sufficient respondents to identify statistically significant variations among groups (i.e., individual cell sizes were too small.

Table 2
Ranking of Sections of Table of Contents by Percentage of Total Use

Rank	Section	Tables Covered (from 1992 *Highway Statistics*)	% of Users *
1	Highway Usage and Performance	VM-1 thru Chart, p. 211	49.6%
2	Vehicle Registration	Map, p. 16 thru Chart, p. 23	43.5%
3	Rates and Revenues (Motor Fuel)	MF-1 thru MF-121T	40.6%
4	Rates & Revenues (Motor Vehicles)	MV-2 and MV-3	40.6%
5	U.S. Public Road Mileage	HM-12 thru HM-20	40.6%
6	Urbanized Area Summaries	HM-71 and HM-72	39.0%
7	Highway Finance Summaries	HF-10 thru HB-2	34.4%
8	Functional System Data	HM-50 thru HM-67	32.9%
9	Federal Aid Data	HM-31 thru HM-41	32.4%
10	State Highway Finance	DF thru SF-12B	31.6%
11	Analysis of Motor Fuel Use	MF-21 thru Chart, p. 14	31.5%
12	Drive Licensing	DL-1 thru Map, p. 36	30.2%
13	Federal Highway Finance	FE-10 thru PT-6	28.2%
14	Motor Vehicle Traffic Fatalities	FI-1 thru HM-64	26.9%
15	Local Government Highway Finance	LDF thru LGF-4B	22.1%
16	Transit (Highway Finance)	MT-2A and MT-2B	21.3%
17	Toll Facility Finance	SF-3B thru SMT	20.3%
18	Obligations for Highways	SB-1 thru SB-3	18.4%
19	International	I-1 thru I-4	16.3%
20	U.S. Territories	PR-1 and TER-1	9.0%

* Percentage refers to number of respondents who use tables in these sections at least twice annually.

2.   General Comments on Publication

The overall response from the surveys was very favorable. Typical comments were that all the information is useful or that, even if the book is not used on a regular basis, it is "nice" to have information in one place. One respondent went so far as to say "don't fix what isn't broke [sic]." Another said that he/she did not have "the time or knowledge to answer the lengthy survey, [but] I'm glad to get the report as it is." Another person who said he/she rarely used *Highway Statistics*, found that the questionnaire "outlined some important variables for future reference." Several persons said that there was no information they needed that they could not find in it.

The use of *Highway Statistics* as a reference tool varied, mostly depending on the individual user. FHWA and State transportation department officials cite the need to answer questions from the public, State transportation officials and State legislators. Several professors use the book to help design courses or as a source of research. As one would expect, insurance companies rely on the statistics that would directly impact the insurance industry, especially those relating to highway fatalities and types of registered vehicles in use. Many of the State transportation agencies and the MPOs rely on the statistics for transportation planning projects and formulation of transportation budgets. Transportation-related trade associations apply the data to developing legislative efforts. Industry representatives use *Highway Statistics* for sales campaigns and strategy. Six foreign readers responded. The four European users all cite "planning" as the primary use; the two Japanese users, both motor journalists, say that "news media" is their use.

There were two general themes among the readers when asked for suggested improvements: consistency and timeliness of the data. On the subject of consistency, the responses varied a great deal. One respondent said that "due to various discrepancies between submitted data and published data on my tables, we feel that the quality of all tables are questionable." However, many more respondents questioned only the uniformity of data measurements and definitions from State-to-State, thus making the data in State-by-State comparisons inconsistent.

Many respondents felt that some information was not as useful because there was a delay in publishing submitted data. For instance, one person said that 1993 data was not available going into Calendar Year 1995. Other responses ranged from "more timely release" to "data is somewhat dated."

There were many requests for more detail in the tables. It should be stressed that those who asked for more State (or city, or county or vehicle-specific) related data were representatives of the particular organization or authority that would most benefit from this new level of detail. Several persons requested more historical trending and analysis of the data.

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There appears to be a great deal of interest in receiving the data either on-line or in some machine-readable format. In completing the questionnaire, 85 persons said that they would like electronic transfer and 54 were not sure (however, it is assumed that given the option they might appreciate the service). Ninety-one respondents already have a CD-ROM available. When asked in which manner they would prefer electronic transfer, 39 would use a bulletin board system (such as via AASHTO or FHWA's FEBBS), 43 prefer the Internet and 55 said that either the Internet or a bulletin board was acceptable. Presumably, this number would increase if the data were electronically available. In fact, several readers cited the need for electronic data under the "suggested improvements" section of the questionnaire. At the present time, all but seven tables [2] from *Highway Statistics* are currently input into computers for further analysis.

3. Specific Table Use

The most popular table among the total population is MV-1, State Motor Vehicle Registrations (p. 17), [3] with 60.5 percent saying that they use this table at least twice a year. The second and third most popular tables are VM-2, Annual Vehicle-Miles of Travel - 1992, by Functional System (p. 208) and VM-1, Annual Vehicle-Miles of Travel; and Related Data - 1992, by Highway Category and Vehicle Type (p. 207), with usage levels of 59.5 percent and 57 percent respectively.

MV-1 also ranked first among Academics, 83.3 percent of whom said they used this table twice yearly. VM-2 was the most popular among FHWA offices. Other Government agencies used two tables 42.9 percent: DL-20, Distribution of Licensed Drivers - 1992, by Sex and Percentage in each Age Group and Relation to Population (p. 32), and VM-1 more

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[2] These tables are PT-6, PR-1, TER-1 and tables I-1 through I-4.

[3] Page numbers in parentheses refer to the 1992 edition of *Highway Statistics*.

than any others. Among those responding to the short survey, VM-1 was the most popular table with 64% reporting at least twice annual use.

4. Respondents' Comments on Specific Tables

As a group, the HM series of tables under Highway Extent, Characteristics and Performance Section of *Highway Statistics*, seemed to rate the most comments. Tables HM-63, Pavement Condition - Rural - 1992, and HM-64, Measured Pavement Roughness - Rural - 1992, received the most individual comments, to include urban area data (which was also suggested for several of the other HM tables) and to show State trends over time. One respondent said that the Present Serviceability Rating "PSR" standards are not consistent between States" and, therefore "comparisons between States are meaningless". Another respondent Stated that the "roughness and condition data is meaningless since each State does this differently". For tables HM-12 through HM-20, it was noted that there was no line mile data, making it hard to compare mileage data with data on expenditures or condition.

D. Recommendations

This section covers recommendations that would improve the overall quality and readability of *Highway Statistics*. The recommendations below are built upon suggestions from the respondents. Observations DRI made in the course of its own review of the materials are integrated into these recommendations.

There are many recommendations that could be suggested. The overriding considerations should be, however, to improve the consistency of the data and to release the data in a more timely fashion. DRI strongly believes that, with minor modifications in the layout of the publication and the introduction of electronic transfer, these two important goals would be achieved.

General Layout and Readability of Highway Statistics

There are several modifications, some minor, to *Highway Statistics* that would improve readability and usefulness:

(1) **Table numbering scheme:** Tables should be numbered consecutively within each section; use of the two or three character alphabetic prefix is good -- it helps identify the sections. However, numbers should not be skipped. If a table is used in several sections, as is the case with MF-121T and HM-64, it should be renumbered to fit that particular section. A footnote could be used to inform the user that this is, in fact, identical to Table XX on page xx.

(2) **Type Face:** Type face from chart to chart and table to table should be consistent. Table numbers should be highlighted -- preferably in the top center of the page in a font larger than that of the table itself.

(3)   **Reference Aids**: A glossary of acronyms would be extremely helpful, especially for the nontransportation-related librarian or any casual user of the publication. The same is true for a table of tables. A list of tables should be provided alphabetically by key words and cite table and page numbers. This is meant as a reference tool only, and not as a table of contents. If footnotes are shown in the table, be sure that footnotes appear at the bottom of the page.

(4)   **Preface Denoting Changes and/or Special Highlights**: Several readers suggested that a section in the beginning of *Highway Statistics* be devoted to changes made to the publication since the prior edition. This section could discuss changes in regulations, laws, reporting requirements or stress tables added or tables deleted from the book.

(5)   **Charts/Historical Trends**: A variety of graphs could be used to relay data in a more visually expressive manner. Several readers asked that historical data be added to help with trending. Graphs are the ideal tool for showing trends.

(6)   **More State Detail**: More State detail was requested by a significant number of respondents. As we will discuss under the next section, electronic collection of data, especially with a pre-formatted program might aid in this endeavor.

Electronic Transfer or On-Line Availability

As was discussed earlier, there is a great deal of enthusiasm for some means of users' receiving *Highway Statistics* electronically. This service would not, in any way, eliminate the need for a hard copy of the publication, but the future does portend a greater reliability on electronic information. Electronic transfer would be, at the least, a several tiered project.

Information on current products on the market should be the first step. OHIM and FHWA need to decide on a commercially available software package that would operate in both the PC and Macintosh environments.

Programs would be developed into which data would be entered. FHWA could then recommend that all reporting agencies submit data using this particular software in the pre-determined format. Common definitions, measurements and guidelines could be built into the programs, thereby eliminating much of the inconsistency of data between States, *and correcting one of the major criticisms of the publication.* This data could be downloaded, manipulated and published in a form that would be consistent across tables. This would also alleviate the problem of inconsistency of data between States. A relational database is recommended for both data collection and distribution. Receiving data by this means would allow the users to transfer it into a spreadsheet application for further analysis.

FHWA's FEBBS bulletin board is an ideal means of distributing the completed publication. Everyone who cited preferring the Internet or other bulletin boards has a modem at his or her disposal. We suggest that a timely publication schedule be established for releasing new data. If Federal data is available first, maybe releasing just that data is a way to address the problem of outdated information. State and local data could follow as it is collected. State and local authorities, however, should be asked to adhere to a schedule of deadlines for submitting data, so as not to delay the entire publication.

APPENDIX A

Original Survey Instrument

DRI/McGraw-Hill

September 28, 1994

Dear Highway Statistics User:

DRI/McGraw-Hill has been retained by the Federal Highway Administration to administer a customer satisfaction survey for the annual publication *Highway Statistics*. The enclosed survey is designed to ascertain how well *Highway Statistics* meets the needs of its many users.

We appreciate your taking the time to fill out this survey. DRI/McGraw-Hill has enclosed a preaddressed return envelope for your convenience. We ask that you return this survey by October 31.

Sincerely,
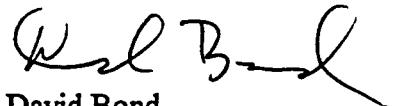
David Bond
Associate

Enclosures

**U.S. Department
of Transportation**

**Federal Highway
Administration**

September 28, 1994

Dear Highway Statistics User:

We have designed a customer satisfaction survey to ascertain whether or not the annual publication *Highway Statistics* is meeting the needs of its many users. We have asked our field office employees to distribute the enclosed survey to users of this report.

This report has been published since 1945, but from time to time we need to take a fresh look at our publication to be sure we are providing the most useful and understandable data.

We appreciate your taking the time to fill out this survey and ask that it be returned by October 31. A preaddressed label is enclosed for your convenience. If there are any questions, please contact Mary K. Teets at (202) 366-9211.

Sincerely yours,
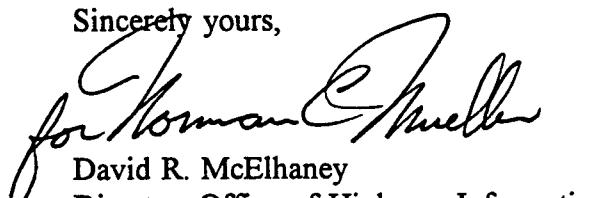
David R. McElhaney
Director, Office of Highway Information
Management

2 Enclosures

2

Highway Statistics
Mailing List Update
and Customer Survey

Please fill out and return this survey by October 31. A preaddressed label is enclosed for your convenience.

Customer Information

1. **Name:** _____

2. **Job Title:** _____

3. **Organization Name:** _____

4. **Organization Type:**

   _____ State transportation organization
   _____ Metropolitan Planning Organization (MPO)
   _____ University
   _____ Industry
   _____ FHWA Division Office
   _____ FHWA Regional Office
   _____ FHWA Headquarters
   _____ Other Federal agency
   _____ Other - please specify: _____

5. **Mailing Address:**

   Street _____

   City, State, Zip _____

6. **Mailing List Status:**

   _____ Please keep me on your mailing list

   _____ Delete me from mailing list

--CONTINUED--

Use of Highway Statistics Information

7. For what purpose do you primarily use **Highway Statistics?**

   _____ Transportation planning

   _____ Developing legislation/programs

   _____ Budget formulation/tax estimates

   _____ Program Administration Issues

   _____ Sales

   _____ News Media

   _____ Other (please explain): _____

   _____

8. What improvements to the existing information or tables in **Highway Statistics** would be most useful to you? Please be specific.

9. What additional information or tables would you like us to include in **Highway Statistics?** Please be specific.

--OVER--

Electronic Access to Information

10. Do you have a need to be able to access or receive any **Highway Statistics** information or tables electronically, e.g., by accessing a central database or by receiving a CD-ROM?

_____ Yes   _____ No   _____ Not sure

11. If yes, how would you like to be able to access or receive that information? **There may be costs incurred for some forms of electronic data**. (mark all that apply)

_____ CD-ROM

_____ Dial-in to central database

_____ Access central database via AASHTO Value Added Network (VAN)

_____ Other (please be specific):

12. Please mark all data communications connection(s) that are available now in your office or that will be available within the next year:

_____ Internet (E-Mail only)

_____ AASHTO Value Added Network (VAN)

_____ AAMVAnet

_____ FHWA Wide Area Network (via FTS 2000 data lines)

_____ Other FTS 2000 data network

_____ FHWA Electronic Bulletin Board System (FEBBS)

_____ Other bulletin boards - please specify:

_____ Other - please specify:

13. On the attached **Highway Statistics** Table of Contents, please mark which individual tables you use.

Attachment

Contents
1992 HIGHWAYSTATISTICS

ROADWAY EXTENT, CHARACTERISTICS, AND PERFORMANCE

U.S. TERRITORIES

INTERNATIONAL

Highway Statistics Customer Survey

This survey lists the tables and graphs that appear in the Highway Statistics publication. For each table or graph listed, please indicate whether or not you need to use or refer to it twice a year or more (circle yes or no). For those tables and graphs that you do use, please rate the value of the table or graph and the quality of information (both on a scale from 1 to 5, 5 being high). In the column labled "Input," circle yes or no depending on whether or not you input the data into a computer for analysis purposes. Also, if there are any specific details you would add or delete to tables or graphs, please specify in the appropriate columns.

Table/ Graph Number	Table/Graph Title	Use 2x/yr?	Value of Table L — H	Quality of Info L — H	Input?	Detail to Add	Detail to Delete
	MOTOR FUEL						
	Analysis of motor-fuel use:						
MF-2	Motor-fuel gallonage taxed	yes no	1 2 3 4 5	1 2 3 4 5	yes no	_____	_____
MF-21	Motor-fuel use	yes no	1 2 3 4 5	1 2 3 4 5	yes no	_____	_____
MF-21A	Total gasoline use	yes no	1 2 3 4 5	1 2 3 4 5	yes no	_____	_____
MF-24	Nonhighway use of gasoline	yes no	1 2 3 4 5	1 2 3 4 5	yes no	_____	_____
MF-25	Highway use of special fuel by months	yes no	1 2 3 4 5	1 2 3 4 5	yes no	_____	_____
MF-26	Highway use of gasoline by months	yes no	1 2 3 4 5	1 2 3 4 5	yes no	_____	_____
MF-33GA	Monthly gasoline reported by States	yes no	1 2 3 4 5	1 2 3 4 5	yes no	_____	_____
MF-33GLA	Monthly gasohol reported by States	yes no	1 2 3 4 5	1 2 3 4 5	yes no	_____	_____
MAP	Percent change in highway use of gasoline	yes no	1 2 3 4 5	1 2 3 4 5	yes no	_____	_____
MAP	Special fuel as a percent of total highway use of motor fuel	yes no	1 2 3 4 5	1 2 3 4 5	yes no	_____	_____
CHART	Gasohol as a percent of highway-use gasoline	yes no	1 2 3 4 5	1 2 3 4 5	yes no	_____	_____
	Rates and revenues:						
MF-1	State motor-fuel taxes and related receipts	yes no	1 2 3 4 5	1 2 3 4 5	yes no	_____	_____
MF-3	Disposition of State motor-fuel tax receipts	yes no	1 2 3 4 5	1 2 3 4 5	yes no	_____	_____
FE-21	Federal excise taxes on highway motor fuel	yes no	1 2 3 4 5	1 2 3 4 5	yes no	_____	_____
MF-121T	State tax rates on motor fuel	yes no	1 2 3 4 5	1 2 3 4 5	yes no	_____	_____

Table/Graph Number	Table/Graph Title	Use 2x/yr?	Value of Table L H	Quality of Info L H	Input?	Detail to Add	Detail to Delete
MOTOR VEHICLES							
	Vehicle registration:						
MAP	Automobiles per capita	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
MV-1	State motor-vehicle registrations	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
MV-7	Publicly owned vehicles	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
MV-9	Truck and truck-tractor registrations	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
MV-10	Bus registrations	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
MV-11	Trailer and semitrailer registrations	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
CHART	Licensed drivers, vehicle registrations, and resident population	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
CHART	Vehicle registrations, fuel consumption, and vehicle-miles of travel	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
	Rates and revenues:						
MV-2	State motor-vehicle and motor-carrier tax receipts	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
MV-3	Disposition of State motor-vehicle and motor carrier tax receipts	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
DRIVER LICENSING							
DL-1	Motor-vehicle driver licenses	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
DL-1B	Ratio of licensed drivers to population	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
DL-1A	Licensed drivers, by sex	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
DL-20	Licensed drivers, by sex and percentage in each age group	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
DL-22	Licensed drivers, by State, sex, and age group	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
MAP	Licensed drivers per motor vehicle	yes no	1 2 3 4 5	1 2 3 4 5	yes no		

Table/ Graph Number	Table/Graph Title	Use 2x/yr?	Value of Table L　　　H	Quality of Info L　　　H	Input?	Detail to Add	Detail to Delete
	HIGHWAY FINANCE						
	Highway finance summaries:						
HF-10	Total receipts and disbursements for highways, all units of government--summary	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HF-1	Total receipts for highways, all units of government	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HF-2	Total disbursements for highways, all units of government	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HB-2	Long-term highway obligations, all units of government	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
	Federal highway finance:						
FE-10	Status of the Federal Highway Trust Fund	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
CHART	Status of the Federal Highway Trust Fund	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FE-9	Federal Highway Trust Fund receipts attributable to highway users in each State	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FE-221	Comparison of Federal Highway Trust Fund receipts attributable to the States and Federal-aid apportionments	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
MF-27	Highway use of motor fuel--1991	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FE-101	Federal excise tax rates on motor vehicles and related products	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FE-21	Federal excise taxes on highway motor fuel	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FE-201	Net revenues to the Federal Highway Trust Fund	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FA-4	Federal-aid highway fund apportionments	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FA-4A	Federal-aid highway apportionment formulas	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FA-4D	Federal-aid highway fund allocations	yes no	1 2 3 4 5	1 2 3 4 5	yes no		

Table/ Graph Number	Table/Graph Title	Use 2x/yr?	Value of Table L · H	Quality of Info L · H	Input?	Detail to Add	Detail to Delete
FA-4B	Obligation of Federal-aid highway funds	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FA-4C	Obligation of Federal-aid highway funds by functional system	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FA-3	Expenditure of Federal funds administered by the Federal Highway Administration	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FA-5	Receipts and expenditures for highways by Federal agencies--summary	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FA-5A	Receipts and expenditures for highways by Federal agencies (by State)--summary	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FA-10	Obligation of Federal-aid highway funds by improvement type	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FA-11	Obligation of Federal-aid highway funds and projects authorized	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
STP-1	Uses of Surface Transportation Program funds for projects not on the National Highway System (by improvement category)	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
STP-1A	Uses of Surface Transportation Program funds for projects not on the National Highway System (by functional system)	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
PT-1	Price trends for Federal-aid highway construction (and chart)	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
CHART	Average distribution of costs on contracts completed	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
PT-4	Usage factors for major highway construction materials and labor	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
PT-6	Direct on-site employment rates on Federal-aid highway construction projects	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
DF	State highway finance: Disposition of receipts from State imposts on highway users	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
MF-1	Motor-fuel taxes and related receipts	yes no	1 2 3 4 5	1 2 3 4 5	yes no		

Table/ Graph Number	Table/Graph Title	Use 2x/yr?	Value of Table L H	Quality of Info L H	Input?	Detail to Add	Detail to Delete
MF-3	Disposition of State motor-fuel tax receipts	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
MF-121T	Tax rates on motor fuel	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
MV-2	Motor-vehicle and motor-carrier tax receipts	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
MV-3	Disposition of State motor-vehicle and motor-carrier tax receipts	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
SF-21	Receipts and disbursements for highways —summary	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
SF-1	User revenues and other receipts for highways	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
SF-2	Disbursements for highways	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
CHART	Receipts and disbursements for highways	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
SF-3	Receipts for State-administered highways	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
SF-4	Disbursements for State-administered highways	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
SF-4C	Disbursements for State-administered, classified by function	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
SF-5A	Receipts for grants-in-aid for local roads and streets	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
SF-5	Receipts applicable to local roads and streets	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
SF-6	Expenditures and grants-in-aid for local roads and streets	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
SF-12	Highway agency capital outlay and maintenance, classified by functional system and area	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
SF-12A	Highway agency capital outlay and maintenance, classified by improvement type	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
SF-12B	Highway agency capital outlay, classified by Federal-aid system	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
	Obligations for highways:						
SB-1	Obligations, issued or assumed during year	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
SB-2	Change in indebtedness during year	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
SB-2T	Change in indebtedness during year (toll facilities)	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
SB-3	Receipts and disbursements for debt service	yes no	1 2 3 4 5	1 2 3 4 5	yes no		

Table/ Graph Number	Table/Graph Title	Use 2x/yr?	Value of Table L H	Quality of Info L H	Input?	Detail to Add	Detail to Delete
	Toll facility finance:						
SF-3B	Receipts of toll road and crossing facilities	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
SF-4B	Disbursements of toll road and crossing facilities	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
SMT	Receipts and disbursements for mass transportation	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
	Transit:						
MT-2A	Operator receipts and disbursements for mass transportation capital outlays	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
MT-2B	Operator receipts and disbursements for mass transportation operations	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
	Local government highway finance:						
LDF	Disposition of local receipts from State and local highway-user imposts, including tolls	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
LGF-21	Receipts and disbursements for highways --summary	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
LGF-1	Receipts of local governments for highways	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
LGF-2	Disbursements of local governments for highways	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
CHART	Receipts and disbursements for highways	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
LGF-12	Highway capital outlay by functional system and area	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
LGB-2	Change in indebtedness during year	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
LGB-2T	Change in indebtedness during year (local toll facilities)	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
LGF-3B	Receipts of local toll facilities	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
LGF-4B	Disbursements of local toll facilities	yes no	1 2 3 4 5	1 2 3 4 5	yes no		

Table/ Graph Number	Table/Graph Title	Use 2x/yr?	Value of Table L — H	Quality of Info L — H	Input?	Detail to Add	Detail to Delete
	ROADWAY EXTENT, CHARACTERISTICS, AND PERFORMANCE Public road mileage in the United States, classified by:						
HM-12	Type of surface and functional system	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-16	Federal-aid and administrative system	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-18	Federal-aid system and functional system	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-10	Jurisdiction	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-14	Federal-aid system and jurisdiction	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-15	Federal-aid system	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-20	Functional system	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
	Federal-aid data: Federal-aid highway systems mileage, classified by:						
HM-31	Type of surface	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-33	Lane width	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-35	Traffic lanes, access control, and States	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-36	Traffic lanes and access control	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-37	Average daily traffic volume	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-39	Lane width, access control, and average daily traffic volume	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-45	Interstate System mileage	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-41	Number of highway bridges	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
	Functional system data: Rural and urban arterial and collector mileage, classified by:						
HM-50	Jurisdiction	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-51	Type of surface	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-53	Lane width	yes no	1 2 3 4 5	1 2 3 4 5	yes no		

Table/ Graph Number	Table/Graph Title	Use 2x/yr?	Value of Table L H	Quality of Info L H	Input?	Detail to Add	Detail to Delete
HM-55	Traffic lanes and access control	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-57	Average daily traffic volume	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-59	Lane width, access control, and average daily traffic volume	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-61	Volume-service flow ratio	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
CHART	Volume-service flow ratio	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-63	Pavement condition	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-64	Measured pavement roughness	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-60	Rural and urban lane mileage	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-65	Number of highway bridges	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-67	Local functional system mileage, by average daily traffic volume and surface type	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
	Urbanized area summaries:						
HM-71	Mileage and daily vehicle-miles of travel	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-72	Selected characteristics	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
	Highway usage and performance:						
VM-1	Vehicle-miles of travel, by highway category, vehicle type, and related data	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
VM-2	Vehicle-miles of travel, by State and functional system	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
VM-2	Vehicle-miles of travel, by State and functional system (Revised 1990)	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
VM-3	Vehicle-miles of travel, by State and Federal-aid system	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
CHART	Monthly distribution of travel	yes no	1 2 3 4 5	1 2 3 4 5	yes no		

Table/ Graph Number	Table/Graph Title	Use 2x/yr?	Value of Table L H	Quality of Info L H	Input?	Detail to Add	Detail to Delete
	Motor vehicle traffic fatalities:						
FI-1	Fatalities and injuries by functional system and Federal-aid highways	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FI-2	Fatalities related to population, licensed drivers, and vehicle registrations	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FI-3	Total rural and urban fatalities and injuries	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FI-4	Total rural fatalities and injuries	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FI-5	Total urban fatalities and injuries	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FI-6	Total rural Interstate fatalities and injuries	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FI-7	Total urban Interstate fatalities and injuries	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FI-8	Total rural interim National Highway System fatalities and injuries	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
FI-9	Total urban interim National Highway System fatalities and injuries	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
VS-1	All vehicle traffic speed data (miles-per-hour)	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
VS-2	All vehicle traffic speed data (percent exceeding m.p.h.)	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
CHART	Speed trends on rural Interstate highways	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
TC-3	Distribution of average daily traffic volumes and loadings on the rural Interstate System	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
CHART	Growth in volumes and loadings on rural Interstate highways	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-61	Volume-service flow ratio	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-63	Pavement condition	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
HM-64	Measured pavement roughness	yes no	1 2 3 4 5	1 2 3 4 5	yes no		

Table/ Graph Number	Table/Graph Title	Use 2x/yr?	Value of Table L — H	Quality of Info L — H	Input?	Detail to Add	Detail to Delete
U.S. TERRITORIES							
PR-1	Highway statistics for the Commonwealth of Puerto Rico	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
TER-1	Highway statistics for the U.S. Territories	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
INTERNATIONAL							
I-1	Social and demographic characteristics for selected countries	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
I-2	Capital investment in transportation as a percentage of gross domestic product	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
I-3	Road system measures for selected countries	yes no	1 2 3 4 5	1 2 3 4 5	yes no		
I-4	Transportation indicators for selected countries	yes no	1 2 3 4 5	1 2 3 4 5	yes no		

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APPENDIX B

Summary of Survey Results

SUMMARY OF RESULTS

	Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
Total Responses	6	36	38	3	2	14	5	7	111	89	200
MF-2 Avg. Use *	33.3%	27.8%	68.4%	33.3%	0.0%	35.7%	60.0%	28.6%	44.1%	39.3%	42.0%
Mean Value ***	5.0	4.3	3.9	3.5	NA	4.0	3.5	5.0	4.0		
Mean Quality ***	4.0	4.3	3.9	NA	NA	4.3	2.0	4.0	4.0		
Input Avg. ****	0.0%	0.0%	28.9%	0.0%	0.0%	0.0%	0.0%	0.0%	9.9%		
MF-21 Avg. Use *	66.7%	33.3%	63.2%	66.7%	0.0%	35.7%	80.0%	14.3%	46.8%	47.2%	47.0%
Mean Value ***	4.7	4.3	3.7	4.0	NA	4.0	3.3	5.0	3.9		
Mean Quality ***	5.0	4.3	3.8	3.0	NA	4.3	2.5	4.0	3.9		
Input Avg. ****	16.7%	0.0%	21.1%	0.0%	0.0%	0.0%	0.0%	0.0%	8.1%		
MF-21A Avg. Use *	16.7%	27.8%	71.1%	33.3%	100.0%	42.9%	60.0%	14.3%	45.9%	50.6%	48.0%
Mean Value ***	5.0	4.2	3.8	3.5	4.0	4.0	3.3	4.5	3.9		
Mean Quality ***	NA	4.3	3.7	NA	5.0	4.5	2.5	4.0	4.0		
Input Avg. ****	0.0%	0.0%	26.3%	0.0%	0.0%	0.0%	0.0%	14.3%	9.9%		
MF-24 Avg. Use *	16.7%	25.0%	26.3%	33.3%	0.0%	14.3%	60.0%	14.3%	24.3%	34.8%	29.0%
Mean Value ***	4.0	3.6	2.9	3.0	NA	3.0	3.0	5.0	3.2		
Mean Quality ***	NA	4.2	3.4	NA	NA	4.5	2.5	4.0	3.7		
Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		
MF-25 Avg. Use *	16.7%	13.9%	34.2%	33.3%	0.0%	14.3%	40.0%	28.6%	23.4%	41.6%	31.5%
Mean Value ***	5.0	2.9	3.9	3.0	NA	3.0	2.0	4.5	3.4		
Mean Quality ***	NA	4.4	3.9	NA	NA	4.0	2.0	4.0	4.0		
Input Avg. ****	0.0%	0.0%	15.8%	0.0%	0.0%	0.0%	0.0%	14.3%	6.3%		
MF-26 Avg. Use *	16.7%	19.4%	31.6%	33.3%	0.0%	14.3%	20.0%	14.3%	22.5%	28.1%	25.0%
Mean Value ***	4.0	3.6	3.8	3.0	NA	3.3	2.0	4.0	3.6		
Mean Quality ***	NA	4.1	3.9	NA	NA	4.5	2.0	4.0	4.0		
Input Avg. ****	0.0%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%	28.6%	6.3%		
MF-33GA Avg. Use *	16.7%	25.0%	39.5%	33.3%	50.0%	28.6%	20.0%	0.0%	28.8%	33.7%	31.0%
Mean Value ***	4.0	3.6	3.6	3.0	5.0	3.8	2.0	NA	3.5		
Mean Quality ***	NA	4.3	3.8	NA	5.0	4.3	2.0	NA	4.0		
Input Avg. ****	0.0%	0.0%	18.4%	0.0%	0.0%	0.0%	0.0%	0.0%	6.3%		

* % using at least 2x a year
** Average score of table's value
*** Average score of table's quality
**** % inputting table into computer

Appendix B

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April 1995

SUMMARY OF RESULTS

Total Responses		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
		6	36	38	3	2	14	5	7	111	89	200
MF-33GLA	Avg. Use *	16.7%	16.7%	34.2%	33.3%	0.0%	7.1%	40.0%	14.3%	22.5%	31.5%	26.5%
	Mean Value ***	4.0	3.5	3.6	3.0	NA	2.3	2.5	5.0	3.4		
	Mean Quality ***	NA	4.4	3.5	NA	NA	4.0	2.0	4.0	3.8		
	Input Avg. ****	0.0%	0.0%	21.1%	0.0%	0.0%	0.0%	0.0%	0.0%	7.2%		
MAP, P.12	Avg. Use *	33.3%	25.0%	18.4%	66.7%	0.0%	28.6%	40.0%	0.0%	23.4%	25.8%	24.5%
	Mean Value ***	3.5	3.6	3.1	4.0	NA	3.8	3.0	NA	3.4		
	Mean Quality ***	5.0	4.1	3.5	2.0	NA	4.0	2.0	NA	3.7		
	Input Avg. ****	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%		
MAP. P. 13	Avg. Use *	16.7%	13.9%	18.4%	33.3%	0.0%	28.6%	40.0%	14.3%	18.9%	24.7%	21.5%
	Mean Value ***	5.0	3.1	3.0	3.0	NA	3.8	2.5	5.0	3.2		
	Mean Quality ***	NA	4.0	3.6	NA	NA	4.0	2.0	4.0	3.7		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		
CHART, P. 14	Avg. Use *	33.3%	19.4%	34.2%	33.3%	0.0%	14.3%	40.0%	14.3%	25.2%	25.8%	25.5%
	Mean Value ***	3.0	3.4	3.5	3.0	NA	3.0	2.5	3.0	3.3		
	Mean Quality ***	NA	3.9	3.6	NA	NA	4.5	2.0	5.0	3.8		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		
MF-1	Avg. Use *	33.3%	25.0%	57.9%	66.7%	0.0%	50.0%	80.0%	28.6%	43.2%	43.8%	43.5%
	Mean Value ***	4.0	4.6	3.7	3.7	NA	4.0	3.0	4.0	3.8		
	Mean Quality ***	5.0	4.4	3.7	5.0	NA	4.2	3.0	3.5	3.9		
	Input Avg. ****	0.0%	0.0%	23.7%	0.0%	0.0%	0.0%	0.0%	0.0%	8.1%		
MF-3	Avg. Use *	33.3%	33.3%	50.0%	66.7%	0.0%	50.0%	40.0%	14.3%	37.8%	32.6%	35.5%
	Mean Value ***	4.0	4.3	3.7	3.7	NA	4.0	2.0	NA	3.8		
	Mean Quality ***	5.0	4.1	3.7	5.0	NA	4.2	1.0	3.0	3.8		
	Input Avg. ****	0.0%	0.0%	21.1%	0.0%	0.0%	0.0%	0.0%	0.0%	7.2%		
FE-21	Avg. Use *	16.7%	33.3%	50.0%	66.7%	0.0%	35.7%	60.0%	28.6%	39.6%	33.7%	37.0%
	Mean Value ***	3.0	4.4	4.1	3.7	NA	4.3	2.7	4.0	4.0		
	Mean Quality ***	5.0	4.4	4.1	5.0	NA	4.3	2.0	4.5	4.2		
	Input Avg. ****	0.0%	0.0%	15.8%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%		

* % using at least 2x a year
** Average score of table's value
*** Average score of table's quality
**** % inputting table into computer

Appendix B

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April 1995

SUMMARY OF RESULTS

	Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
Total Responses	6	36	38	3	2	14	5	7	111	89	200
MF-121T Avg. Use *	33.3%	33.3%	63.2%	66.7%	100.0%	35.7%	40.0%	28.6%	45.9%	46.1%	46.0%
Mean Value ***	5.0	4.5	4.3	3.7	4.5	4.3	2.7	5.0	4.2		
Mean Quality ***	5.0	4.4	3.9	5.0	5.0	4.3	2.0	3.5	4.0		
Input Avg. ****	0.0%	0.0%	31.6%	0.0%	0.0%	0.0%	0.0%	0.0%	10.8%		
MAP, P. 16 Avg. Use *	50.0%	22.2%	21.1%	66.7%	100.0%	50.0%	20.0%	0.0%	27.9%	42.7%	34.5%
Mean Value ***	4.0	3.5	3.5	4.5	5.0	4.0	2.0	NA	3.6		
Mean Quality ***	4.3	4.1	3.8	4.0	5.0	3.5	2.0	NA	3.9		
Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		
MV-1 Avg. Use *	83.3%	36.1%	73.7%	66.7%	100.0%	64.3%	80.0%	42.9%	59.5%	61.8%	60.5%
Mean Value ***	4.3	3.9	3.9	4.5	5.0	3.7	3.8	4.0	3.9		
Mean Quality ***	4.2	4.2	4.0	5.0	5.0	3.7	4.0	4.0	4.1		
Input Avg. ****	50.0%	0.0%	31.6%	33.3%	0.0%	0.0%	0.0%	28.6%	16.2%		
MV-7 Avg. Use *	16.7%	16.7%	28.9%	66.7%	0.0%	42.9%	20.0%	28.6%	26.1%	48.3%	36.0%
Mean Value ***	NA	3.9	3.1	4.5	5.0	3.6	2.5	4.0	3.5		
Mean Quality ***	3.0	4.3	3.8	4.0	5.0	3.5	2.0	4.0	3.8		
Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	14.3%	4.5%		
MV-9 Avg. Use *	66.7%	25.0%	57.9%	66.7%	50.0%	42.9%	80.0%	14.3%	44.1%	56.2%	49.5%
Mean Value ***	4.0	3.8	3.7	4.0	5.0	3.6	3.5	4.0	3.8		
Mean Quality ***	3.3	4.2	3.7	3.0	5.0	3.5	4.0	4.0	3.8		
Input Avg. ****	0.0%	0.0%	15.8%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%		
MV-10 Avg. Use *	33.3%	16.7%	23.7%	33.3%	0.0%	42.9%	60.0%	28.6%	26.1%	47.2%	35.5%
Mean Value ***	NA	3.6	3.2	3.0	5.0	3.0	3.3	4.0	3.4		
Mean Quality ***	3.0	3.8	3.6	3.0	5.0	3.2	4.0	4.0	3.7		
Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	14.3%	4.5%		
MV-11 Avg. Use *	50.0%	19.4%	42.1%	66.7%	50.0%	42.9%	40.0%	0.0%	33.3%	42.7%	37.5%
Mean Value ***	4.0	3.7	3.4	4.5	5.0	3.6	3.0	NA	3.6		
Mean Quality ***	4.0	4.0	3.6	3.0	5.0	3.5	3.5	NA	3.7		
Input Avg. ****	16.7%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%		

* % using at least 2x a year
** Average score of table's value
*** Average score of table's quality
**** % inputting table into computer

Appendix B

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April 1995

SUMMARY OF RESULTS

Total Responses		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
		6	36	38	3	2	14	5	7	111	89	200
CHART, P. 22	Avg. Use *	50.0%	36.1%	34.2%	66.7%	100.0%	42.9%	40.0%	14.3%	37.8%	53.9%	45.0%
	Mean Value ***	4.0	3.8	3.5	3.5	5.0	4.0	3.0	NA	3.6		
	Mean Quality ***	4.5	3.9	3.6	2.0	5.0	3.7	2.0	NA	3.7		
	Input Avg. ****	0.0%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%	14.3%	5.4%		
CHART, P. 23	Avg. Use *	33.3%	41.7%	44.7%	33.3%	100.0%	57.1%	40.0%	28.6%	44.1%	56.2%	49.5%
	Mean Value ***	4.0	4.1	3.6	3.0	5.0	4.2	3.0	5.0	3.8		
	Mean Quality ***	4.3	4.0	3.6	3.0	5.0	4.0	2.0	5.0	3.8		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	14.3%	4.5%		
MV-2	Avg. Use *	33.3%	11.1%	44.7%	33.3%	50.0%	42.9%	60.0%	28.6%	32.4%	32.6%	32.5%
	Mean Value ***	4.0	3.9	3.6	5.0	3.0	3.8	3.3	3.5	3.7		
	Mean Quality ***	5.0	4.1	3.5	NA	5.0	4.3	3.5	4.0	3.9		
	Input Avg. ****	0.0%	0.0%	21.1%	0.0%	0.0%	0.0%	0.0%	0.0%	7.2%		
MV-3	Avg. Use *	33.3%	13.9%	36.8%	33.3%	50.0%	35.7%	40.0%	0.0%	27.0%	30.3%	28.5%
	Mean Value ***	4.0	3.9	3.5	5.0	3.0	3.5	2.5	NA	3.6		
	Mean Quality ***	5.0	4.1	3.6	NA	5.0	4.0	2.0	NA	3.8		
	Input Avg. ****	0.0%	0.0%	15.8%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%		
DL-1	Avg. Use *	33.3%	27.8%	44.7%	33.3%	100.0%	35.7%	40.0%	28.6%	36.9%	43.8%	40.0%
	Mean Value ***	4.0	4.2	3.4	2.0	5.0	3.5	4.0	5.0	3.7		
	Mean Quality ***	4.5	4.3	3.8	3.0	5.0	4.7	5.0	5.0	4.1		
	Input Avg. ****	16.7%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%	14.3%	6.3%		
DL-1B	Avg. Use *	50.0%	25.0%	26.3%	33.3%	50.0%	42.9%	40.0%	0.0%	28.8%	31.5%	30.0%
	Mean Value ***	3.5	3.8	3.2	2.0	5.0	4.2	4.0	5.0	3.6		
	Mean Quality ***	4.0	4.2	3.8	3.0	5.0	4.5	5.0	NA	4.1		
	Input Avg. ****	16.7%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%	14.3%	6.3%		
DL-1A	Avg. Use *	0.0%	16.7%	28.9%	33.3%	50.0%	28.6%	40.0%	28.6%	24.3%	31.5%	27.5%
	Mean Value ***	NA	4.1	3.2	2.0	5.0	3.0	3.5	5.0	3.5		
	Mean Quality ***	4.0	4.4	3.9	3.0	5.0	4.0	5.0	5.0	4.1		
	Input Avg. ****	0.0%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%	14.3%	5.4%		

* % using at least 2x a year
** Average score of table's value
*** Average score of table's quality
**** % inputting table into computer

Appendix B

April 1995

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SUMMARY OF RESULTS

Total Responses		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
		6	36	38	3	2	14	5	7	111	89	200
DL-20	Avg. Use *	0.0%	19.4%	13.2%	33.3%	50.0%	21.4%	40.0%	28.6%	18.9%	29.2%	23.5%
	Mean Value ***	NA	4.1	2.4	2.0	5.0	3.7	4.0	4.5	3.3		
	Mean Quality ***	4.0	4.4	3.5	3.0	5.0	4.5	5.0	3.0	4.0		
	Input Avg. ****	16.7%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	14.3%	2.7%		
DL-22	Avg. Use *	16.7%	22.2%	31.6%	33.3%	100.0%	28.6%	40.0%	42.9%	29.7%	39.3%	34.0%
	Mean Value ***	NA	4.1	3.3	2.0	5.0	4.0	3.5	3.5	3.6		
	Mean Quality ***	5.0	4.4	3.7	3.0	5.0	4.7	4.0	3.5	4.1		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	7.1%	0.0%	0.0%	4.5%		
MAP, P. 36	Avg. Use *	16.7%	27.8%	23.7%	33.3%	50.0%	21.4%	20.0%	0.0%	23.4%	29.2%	26.0%
	Mean Value ***	4.0	3.7	3.4	2.0	5.0	4.0	3.0	NA	3.5		
	Mean Quality ***	4.0	4.1	3.9	3.0	5.0	5.0	NA	NA	4.1		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		
HF-10	Avg. Use *	33.3%	22.2%	36.8%	33.3%	50.0%	28.6%	60.0%	14.3%	30.6%	39.3%	34.5%
	Mean Value ***	4.0	4.4	3.1	5.0	4.0	3.3	3.3	NA	3.5		
	Mean Quality ***	5.0	4.2	3.3	5.0	5.0	4.3	3.5	NA	3.8		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		
HF-1	Avg. Use *	50.0%	25.0%	50.0%	33.3%	0.0%	42.9%	60.0%	14.3%	37.8%	37.1%	37.5%
	Mean Value ***	4.3	4.5	3.6	5.0	NA	3.7	3.0	NA	3.8		
	Mean Quality ***	4.7	4.5	3.6	5.0	NA	4.2	3.0	NA	4.0		
	Input Avg. ****	33.3%	0.0%	18.4%	0.0%	0.0%	0.0%	0.0%	0.0%	8.1%		
HF-2	Avg. Use *	50.0%	16.7%	52.6%	33.3%	0.0%	42.9%	60.0%	14.3%	36.0%	38.2%	37.0%
	Mean Value ***	4.3	4.6	3.7	5.0	NA	3.7	3.0	NA	3.8		
	Mean Quality ***	3.8	4.5	3.5	5.0	NA	4.4	3.0	NA	3.8		
	Input Avg. ****	16.7%	0.0%	21.1%	0.0%	0.0%	0.0%	0.0%	0.0%	8.1%		
HB-2	Avg. Use *	0.0%	13.9%	36.8%	33.3%	0.0%	28.6%	40.0%	14.3%	24.3%	33.7%	28.5%
	Mean Value ***	5.0	4.2	3.3	5.0	NA	3.3	2.7	NA	3.5		
	Mean Quality ***	NA	4.3	3.5	5.0	NA	4.7	3.0	NA	3.8		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		

* % using at least 2x a year

** Average score of table's value

*** Average score of table's quality

**** % inputting table into computer

Appendix B

SUMMARY OF RESULTS

Total Responses		Academia 6	FHWA 36	State DOTs 38	Industry 3	Libraries 2	MPO 14	Other 5	US Government 7	Total "Long" 111	"Short" 89	Total Use 200
FE-10	Avg. Use *	0.0%	30.6%	50.0%	33.3%	0.0%	21.4%	80.0%	14.3%	35.1%	32.6%	34.0%
	Mean Value ***	5.0	4.1	4.1	5.0	NA	3.3	3.0	4.0	4.0		
	Mean Quality ***	NA	4.5	4.0	5.0	NA	4.0	3.0	5.0	4.1		
	Input Avg. ****	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%		
CHART, P. 48	Avg. Use *	0.0%	30.6%	34.2%	33.3%	0.0%	21.4%	40.0%	14.3%	27.9%	25.8%	27.0%
	Mean Value ***	4.5	4.2	3.6	5.0	NA	3.3	2.0	4.0	3.7		
	Mean Quality ***	5.0	4.5	3.7	5.0	NA	4.0	1.0	NA	3.9		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		
FE-9	Avg. Use *	0.0%	36.1%	63.2%	33.3%	0.0%	42.9%	60.0%	14.3%	43.2%	33.7%	39.0%
	Mean Value ***	5.0	4.5	4.2	5.0	NA	3.3	3.3	5.0	4.1		
	Mean Quality ***	NA	4.5	3.9	5.0	NA	4.2	3.0	4.0	4.1		
	Input Avg. ****	0.0%	0.0%	15.8%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%		
FE-221	Avg. Use *	0.0%	38.9%	71.1%	33.3%	0.0%	35.7%	40.0%	14.3%	45.0%	25.8%	36.5%
	Mean Value ***	4.0	4.5	4.4	5.0	NA	3.8	2.5	5.0	4.3		
	Mean Quality ***	5.0	4.5	4.2	5.0	NA	4.5	1.0	NA	4.3		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		
MF-27	Avg. Use *	16.7%	22.2%	52.6%	33.3%	50.0%	28.6%	40.0%	14.3%	34.2%	34.8%	34.5%
	Mean Value ***	4.0	4.1	3.4	5.0	5.0	3.5	2.5	NA	3.6		
	Mean Quality ***	NA	4.5	3.7	5.0	5.0	4.0	1.0	4.0	3.9		
	Input Avg. ****	0.0%	0.0%	15.8%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%		
FE-101	Avg. Use *	16.7%	30.6%	34.2%	33.3%	0.0%	28.6%	40.0%	14.3%	29.7%	32.6%	31.0%
	Mean Value ***	3.5	4.3	3.5	5.0	NA	3.8	2.7	5.0	3.7		
	Mean Quality ***	5.0	4.5	3.9	5.0	NA	4.5	2.0	4.0	4.1		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		
FE-21	Avg. Use *	16.7%	30.6%	47.4%	33.3%	0.0%	35.7%	40.0%	14.3%	35.1%	31.5%	33.5%
	Mean Value ***	3.7	4.5	4.2	5.0	NA	4.3	2.7	5.0	4.2		
	Mean Quality ***	4.5	4.7	4.2	5.0	NA	4.3	2.0	5.0	4.3		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		

* % using at least 2x a year

** Average score of table's value

*** Average score of table's quality

**** % inputting table into computer

Appendix B

April 1995

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SUMMARY OF RESULTS

Total Responses		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
		6	36	38	3	2	14	5	7	111	89	200
FE-201	Avg. Use *	16.7%	27.8%	34.2%	33.3%	0.0%	35.7%	60.0%	14.3%	30.6%	30.3%	30.5%
	Mean Value ***	5.0	4.3	3.5	5.0	NA	3.4	3.0	5.0	3.7		
	Mean Quality ***	NA	4.6	3.9	5.0	NA	3.8	2.5	5.0	4.1		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		
FA-4	Avg. Use *	16.7%	44.4%	50.0%	33.3%	0.0%	42.9%	40.0%	14.3%	41.4%	31.5%	37.0%
	Mean Value ***	4.5	4.1	4.1	5.0	NA	3.7	2.5	5.0	4.0		
	Mean Quality ***	5.0	4.6	4.0	5.0	NA	4.2	1.0	5.0	4.2		
	Input Avg. ****	0.0%	2.8%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%		
FA-4A	Avg. Use *	0.0%	52.8%	47.4%	33.3%	0.0%	35.7%	40.0%	14.3%	41.4%	31.5%	37.0%
	Mean Value ***	5.0	4.2	4.1	5.0	NA	4.3	2.0	5.0	4.1		
	Mean Quality ***	NA	4.5	3.9	5.0	NA	4.0	1.0	5.0	4.1		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		
FA-4D	Avg. Use *	0.0%	38.9%	34.2%	33.3%	0.0%	28.6%	40.0%	14.3%	31.5%	29.2%	30.5%
	Mean Value ***	5.0	4.2	4.1	5.0	NA	3.5	2.5	5.0	4.0		
	Mean Quality ***	NA	4.6	3.8	5.0	NA	4.0	1.0	5.0	4.1		
	Input Avg. ****	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%		
FA-4B	Avg. Use *	16.7%	27.8%	28.9%	33.3%	0.0%	42.9%	20.0%	0.0%	27.0%	28.1%	27.5%
	Mean Value ***	4.0	4.3	3.5	5.0	NA	3.6	1.0	NA	3.7		
	Mean Quality ***	NA	4.5	3.9	5.0	NA	4.0	1.0	NA	4.0		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		
FA-4C	Avg. Use *	0.0%	19.4%	21.1%	33.3%	0.0%	42.9%	20.0%	0.0%	20.7%	28.1%	24.0%
	Mean Value ***	4.0	4.3	3.3	5.0	NA	3.6	1.0	NA	3.6		
	Mean Quality ***	NA	4.5	3.8	5.0	NA	4.0	1.0	NA	3.9		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		
FA-3	Avg. Use *	0.0%	25.0%	21.1%	33.3%	0.0%	42.9%	40.0%	0.0%	23.4%	27.0%	25.0%
	Mean Value ***	3.5	4.0	3.5	5.0	NA	3.6	2.5	NA	3.6		
	Mean Quality ***	5.0	4.1	3.9	5.0	NA	4.0	1.0	NA	4.0		
	Input Avg. ****	16.7%	2.8%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%		

* % using at least 2x a year
** Average score of table's value
*** Average score of table's quality
**** % inputting table into computer

Appendix B

SUMMARY OF RESULTS

Total Responses		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
		6	36	38	3	2	14	5	7	111	89	200
FA-5	Avg. Use *	0.0%	11.1%	15.8%	33.3%	50.0%	21.4%	40.0%	0.0%	15.3%	29.2%	21.5%
	Mean Value ***	3.5	4.5	3.2	5.0	4.0	3.3	2.5	NA	3.6		
	Mean Quality ***	5.0	4.6	3.6	5.0	5.0	4.5	1.0	NA	4.0		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		
FA-5A	Avg. Use *	0.0%	13.9%	26.3%	33.3%	0.0%	21.4%	40.0%	0.0%	18.9%	31.5%	24.5%
	Mean Value ***	5.0	4.5	3.4	5.0	NA	3.3	2.5	NA	3.6		
	Mean Quality ***	NA	4.6	3.6	5.0	NA	4.0	1.0	NA	3.9		
	Input Avg. ****	0.0%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%		
FA-10	Avg. Use *	33.3%	16.7%	18.4%	33.3%	0.0%	35.7%	40.0%	0.0%	20.7%	27.0%	23.5%
	Mean Value ***	4.0	4.1	2.9	5.0	NA	3.5	2.5	NA	3.4		
	Mean Quality ***	5.0	4.2	3.2	5.0	NA	3.7	1.0	NA	3.6		
	Input Avg. ****	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%		
FA-11	Avg. Use *	16.7%	13.9%	21.1%	33.3%	0.0%	35.7%	40.0%	0.0%	44.9%	27.0%	23.0%
	Mean Value ***	3.0	4.1	3.2	5.0	NA	3.0	2.5	NA	3.5		
	Mean Quality ***	NA	4.4	3.5	5.0	NA	3.8	1.0	NA	3.8		
	Input Avg. ****	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%		
STP-1	Avg. Use *	16.7%	16.7%	23.7%	33.3%	0.0%	42.9%	40.0%	14.3%	23.4%	27.0%	25.0%
	Mean Value ***	4.0	4.4	3.1	5.0	NA	3.4	2.0	NA	3.5		
	Mean Quality ***	NA	4.5	3.2	5.0	NA	3.8	1.0	NA	3.6		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		
STP-1A	Avg. Use *	16.7%	16.7%	21.1%	33.3%	0.0%	42.9%	40.0%	0.0%	21.6%	27.0%	24.0%
	Mean Value ***	4.0	4.1	3.1	5.0	NA	3.5	2.0	NA	3.4		
	Mean Quality ***	NA	4.5	3.4	5.0	NA	3.5	1.0	NA	3.7		
	Input Avg. ****	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%		
PT-1	Avg. Use *	16.7%	22.2%	44.7%	66.7%	0.0%	21.4%	20.0%	14.3%	29.7%	31.5%	30.5%
	Mean Value ***	3.0	4.1	3.6	5.0	NA	3.3	1.5	5.0	3.6		
	Mean Quality ***	3.0	4.4	3.7	5.0	NA	3.5	1.0	5.0	3.8		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		

* % using at least 2x a year
** Average score of table's value
*** Average score of table's quality
**** % inputting table into computer

Appendix B

SUMMARY OF RESULTS

Total Responses		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
		6	36	38	3	2	14	5	7	111	89	200
CHART	Avg. Use *	0.0%	11.1%	18.4%	33.3%	0.0%	21.4%	20.0%	0.0%	14.4%	28.1%	20.5%
	Mean Value ***	3.0	3.9	2.9	5.0	NA	2.5	1.5	NA	3.1		
	Mean Quality ***	NA	4.1	3.1	5.0	NA	4.0	1.0	NA	3.5		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		
PT-4	Avg. Use *	0.0%	11.1%	23.7%	33.3%	0.0%	21.4%	20.0%	14.3%	17.1%	28.1%	22.0%
	Mean Value ***	4.0	3.8	3.0	5.0	NA	2.5	1.5	3.0	3.1		
	Mean Quality ***	NA	4.0	3.4	5.0	NA	3.5	1.0	3.0	3.6		
	Input Avg. ****	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		
PT-6	Avg. Use *	0.0%	11.1%	15.8%	33.3%	0.0%	7.1%	20.0%	14.3%	12.6%	23.6%	17.5%
	Mean Value ***	4.0	4.0	2.7	5.0	NA	1.5	1.5	5.0	3.0		
	Mean Quality ***	NA	4.4	3.1	5.0	NA	3.0	1.0	4.0	3.5		
	Input Avg. ****	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%		
DF	Avg. Use *	16.7%	22.2%	34.2%	33.3%	0.0%	42.9%	40.0%	0.0%	27.9%	34.8%	31.0%
	Mean Value ***	4.0	4.2	3.6	5.0	NA	3.3	2.0	NA	3.6		
	Mean Quality ***	5.0	4.1	3.6	5.0	NA	3.8	1.0	NA	3.8		
	Input Avg. ****	16.7%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		
MF-1	Avg. Use *	50.0%	25.0%	52.6%	33.3%	50.0%	35.7%	60.0%	14.3%	38.7%	36.0%	37.5%
	Mean Value ***	3.7	4.2	4.0	5.0	5.0	3.3	2.0	4.0	4.0		
	Mean Quality ***	4.5	4.4	3.9	5.0	5.0	3.8	1.0	4.0	4.0		
	Input Avg. ****	0.0%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%		
MF-3	Avg. Use *	50.0%	25.0%	47.4%	33.3%	0.0%	42.9%	40.0%	0.0%	35.1%	34.8%	35.0%
	Mean Value ***	3.7	4.1	3.5	5.0	NA	4.2	2.0	NA	3.7		
	Mean Quality ***	4.5	4.1	3.7	5.0	NA	4.4	2.0	NA	3.9		
	Input Avg. ****	0.0%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%		
MF-121-T	Avg. Use *	33.3%	41.7%	71.1%	33.3%	100.0%	50.0%	40.0%	0.0%	50.5%	43.8%	47.5%
	Mean Value ***	4.7	4.3	4.0	5.0	5.0	4.0	2.5	NA	4.1		
	Mean Quality ***	4.5	4.4	4.0	5.0	5.0	4.2	2.0	NA	4.1		
	Input Avg. ****	0.0%	0.0%	23.7%	0.0%	0.0%	0.0%	0.0%	0.0%	8.1%		

* % using at least 2x a year
** Average score of table's value
*** Average score of table's quality
**** % inputting table into computer

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April 1995

Appendix B

SUMMARY OF RESULTS

		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
Total Responses		6	36	38	3	2	14	5	7	111	89	200
MV-2	Avg. Use *	0.0%	13.9%	50.0%	33.3%	0.0%	42.9%	40.0%	28.6%	31.5%	32.6%	32.0%
	Mean Value **	4.0	4.1	3.7	5.0	NA	3.8	2.0	4.0	3.8		
	Mean Quality ***	5.0	4.1	3.9	5.0	NA	4.2	2.0	4.0	4.0		
	Input Avg. ****	0.0%	0.0%	21.1%	0.0%	0.0%	0.0%	0.0%	0.0%	7.2%		
MV-3	Avg. Use *	0.0%	16.7%	34.2%	33.3%	0.0%	42.9%	40.0%	14.3%	26.1%	36.0%	30.5%
	Mean Value **	4.0	4.3	3.4	5.0	NA	3.7	2.0	NA	3.6		
	Mean Quality ***	5.0	4.0	3.7	5.0	NA	4.2	2.0	NA	3.9		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		
SF-21	Avg. Use *	33.3%	16.7%	44.7%	33.3%	50.0%	42.9%	40.0%	14.3%	32.4%	38.2%	35.0%
	Mean Value **	4.5	4.3	3.7	5.0	4.0	3.8	2.5	NA	3.8		
	Mean Quality ***	5.0	4.1	3.7	5.0	5.0	4.2	2.0	NA	3.9		
	Input Avg. ****	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%		
SF-1	Avg. Use *	16.7%	16.7%	42.1%	33.3%	50.0%	50.0%	40.0%	14.3%	31.5%	30.3%	31.0%
	Mean Value **	4.0	4.1	3.5	5.0	5.0	3.8	2.0	5.0	3.8		
	Mean Quality ***	5.0	4.3	3.7	5.0	5.0	4.2	2.0	NA	3.9		
	Input Avg. ****	0.0%	0.0%	15.8%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%		
SF-2	Avg. Use *	16.7%	19.4%	44.7%	33.3%	50.0%	57.1%	40.0%	14.3%	34.2%	33.7%	34.0%
	Mean Value **	4.0	4.0	3.5	5.0	5.0	3.6	2.0	5.0	3.7		
	Mean Quality ***	NA	4.1	3.7	5.0	5.0	4.0	2.0	NA	3.8		
	Input Avg. ****	0.0%	0.0%	15.8%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%		
CHART, P. 92	Avg. Use *	33.3%	19.4%	26.3%	33.3%	50.0%	50.0%	40.0%	14.3%	27.9%	32.6%	30.0%
	Mean Value **	3.5	4.0	3.4	5.0	5.0	3.7	2.0	NA	3.6		
	Mean Quality ***	5.0	4.3	3.5	5.0	5.0	4.2	2.0	NA	3.9		
	Input Avg. ****	0.0%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%		
SF-3	Avg. Use *	33.3%	16.7%	34.2%	33.3%	50.0%	42.9%	40.0%	14.3%	28.8%	30.3%	29.5%
	Mean Value **	4.5	4.2	3.3	5.0	5.0	3.7	2.0	NA	3.6		
	Mean Quality ***	5.0	4.1	3.8	5.0	5.0	4.2	2.0	NA	4.0		
	Input Avg. ****	16.7%	0.0%	15.8%	0.0%	0.0%	0.0%	0.0%	0.0%	6.3%		

* % using at least 2x a year
** Average score of table's value
*** Average score of table's quality
**** % inputting table into computer

SUMMARY OF RESULTS

Total Responses		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
		6	36	38	3	2	14	5	7	111	89	200
SF-4	Avg. Use *	33.3%	19.4%	42.1%	33.3%	0.0%	42.9%	40.0%	0.0%	30.6%	33.7%	32.0%
	Mean Value **	4.5	4.2	3.2	5.0	NA	3.7	2.0	NA	3.5		
	Mean Quality ***	NA	4.1	3.7	5.0	NA	4.2	2.0	NA	3.9		
	Input Avg. ****	16.7%	0.0%	18.4%	0.0%	0.0%	0.0%	0.0%	0.0%	7.2%		
SF-4C	Avg. Use *	16.7%	16.7%	36.8%	33.3%	0.0%	35.7%	40.0%	0.0%	26.1%	30.3%	28.0%
	Mean Value **	4.0	4.0	3.1	5.0	NA	3.4	2.0	NA	3.4		
	Mean Quality ***	NA	4.3	3.7	5.0	NA	4.0	2.0	NA	3.8		
	Input Avg. ****	16.7%	0.0%	18.4%	0.0%	0.0%	0.0%	0.0%	0.0%	7.2%		
SF-5A	Avg. Use *	33.3%	13.9%	26.3%	33.3%	0.0%	50.0%	20.0%	0.0%	23.4%	27.0%	25.0%
	Mean Value **	3.5	3.8	3.2	5.0	NA	3.2	1.5	NA	3.3		
	Mean Quality ***	4.0	3.7	3.6	5.0	NA	3.6	2.0	NA	3.6		
	Input Avg. ****	0.0%	0.0%	15.8%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%		
SF-5	Avg. Use *	33.3%	13.9%	23.7%	33.3%	0.0%	35.7%	20.0%	0.0%	20.7%	30.3%	25.0%
	Mean Value **	4.0	3.9	3.1	5.0	NA	3.4	1.5	NA	3.3		
	Mean Quality ***	4.0	3.9	3.5	5.0	NA	4.0	2.0	NA	3.7		
	Input Avg. ****	0.0%	0.0%	15.8%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%		
SF-6	Avg. Use *	33.3%	13.9%	26.3%	33.3%	0.0%	42.9%	20.0%	0.0%	22.5%	30.3%	26.0%
	Mean Value **	3.5	3.8	3.1	5.0	NA	3.4	1.5	NA	3.3		
	Mean Quality ***	4.0	3.9	3.6	5.0	NA	4.0	2.0	NA	3.7		
	Input Avg. ****	0.0%	0.0%	18.4%	0.0%	0.0%	0.0%	0.0%	0.0%	6.3%		
SF-12	Avg. Use *	16.7%	25.0%	36.8%	33.3%	0.0%	57.1%	40.0%	14.3%	32.4%	30.3%	31.5%
	Mean Value **	3.5	4.1	3.3	5.0	NA	3.7	2.0	5.0	3.6		
	Mean Quality ***	5.0	4.2	3.8	5.0	NA	4.0	2.0	5.0	4.0		
	Input Avg. ****	0.0%	0.0%	15.8%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%		
SF-12A	Avg. Use *	16.7%	19.4%	42.1%	33.3%	0.0%	50.0%	40.0%	14.3%	31.5%	28.1%	30.0%
	Mean Value **	3.5	4.0	3.2	5.0	NA	3.7	2.0	5.0	3.5		
	Mean Quality ***	5.0	4.2	3.7	5.0	NA	4.2	2.0	5.0	3.9		
	Input Avg. ****	0.0%	0.0%	15.8%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%		

* % using at least 2x a year

** Average score of table's value

*** Average score of table's quality

**** % inputting table into computer

Appendix B

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April 1995

SUMMARY OF RESULTS

		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
Total Responses		6	36	38	3	2	14	5	7	111	89	200
SF-12B	Avg. Use *	16.7%	22.2%	39.5%	33.3%	0.0%	50.0%	40.0%	14.3%	31.5%	29.2%	30.5%
	Mean Value **	4.0	4.4	3.1	5.0	NA	3.7	2.0	5.0	3.5		
	Mean Quality ***	NA	4.3	3.6	5.0	NA	4.2	2.0	5.0	3.9		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		
SB-1	Avg. Use *	16.7%	11.1%	18.4%	33.3%	0.0%	28.6%	20.0%	0.0%	16.2%	24.7%	20.0%
	Mean Value **	4.0	4.1	3.0	5.0	NA	3.0	1.5	NA	3.3		
	Mean Quality ***	NA	3.9	3.4	5.0	NA	4.0	2.0	NA	3.6		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		
SB-2	Avg. Use *	0.0%	5.6%	21.1%	33.3%	0.0%	21.4%	20.0%	0.0%	13.5%	22.5%	17.5%
	Mean Value **	4.0	3.7	2.9	5.0	NA	3.0	1.5	NA	3.1		
	Mean Quality ***	NA	4.2	3.3	5.0	NA	4.0	2.0	NA	3.6		
	Input Avg. ****	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%		
SB-2T	Avg. Use *	0.0%	5.6%	15.8%	33.3%	0.0%	21.4%	20.0%	0.0%	11.7%	22.5%	16.5%
	Mean Value **	4.0	3.5	2.7	5.0	NA	3.3	1.5	NA	3.0		
	Mean Quality ***	NA	4.2	3.4	5.0	NA	4.0	2.0	NA	3.7		
	Input Avg. ****	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%		
SB-3	Avg. Use *	0.0%	8.3%	26.3%	33.3%	0.0%	28.6%	20.0%	0.0%	17.1%	22.5%	19.5%
	Mean Value **	4.0	3.6	3.1	5.0	NA	3.3	1.5	NA	3.2		
	Mean Quality ***	NA	4.3	3.5	5.0	NA	4.0	2.0	NA	3.7		
	Input Avg. ****	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%		
SF-3B	Avg. Use *	16.7%	11.1%	15.8%	33.3%	50.0%	28.6%	40.0%	14.3%	18.0%	22.5%	20.0%
	Mean Value **	NA	3.7	2.7	5.0	3.0	3.3	4.0	NA	3.2		
	Mean Quality ***	3.0	4.1	3.3	5.0	5.0	4.0	5.0	NA	3.7		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		
SF-4B	Avg. Use *	16.7%	11.1%	15.8%	33.3%	50.0%	21.4%	40.0%	14.3%	17.1%	22.5%	19.5%
	Mean Value **	NA	3.5	2.6	5.0	3.0	3.3	4.0	NA	3.1		
	Mean Quality ***	3.0	4.0	3.3	5.0	5.0	4.0	5.0	NA	3.7		
	Input Avg. ****	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%		

* % using at least 2x a year
** Average score of table's value
*** Average score of table's quality
**** % inputting table into computer

Appendix B

SUMMARY OF RESULTS

		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
Total Responses		6	36	38	3	2	14	5	7	111	89	200
SMT	Avg. Use *	0.0%	13.9%	21.1%	33.3%	0.0%	21.4%	60.0%	14.3%	18.9%	24.7%	21.5%
	Mean Value **	NA	3.5	2.7	5.0	NA	4.3	3.7	NA	3.3		
	Mean Quality ***	3.0	4.0	3.4	5.0	NA	3.5	3.5	NA	3.7		
	Input Avg. ****	0.0%	0.0%	7.9%	0.0%	0.0%	7.1%	0.0%	0.0%	3.6%		
MT-2A	Avg. Use *	0.0%	2.8%	13.2%	0.0%	0.0%	50.0%	60.0%	14.3%	15.3%	27.0%	20.5%
	Mean Value **	NA	3.5	2.5	NA	NA	3.7	3.3	5.0	3.1		
	Mean Quality ***	3.0	4.0	3.5	NA	NA	3.8	3.5	NA	3.7		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	7.1%	0.0%	0.0%	2.7%		
MT-2B	Avg. Use *	0.0%	2.8%	13.2%	0.0%	0.0%	50.0%	60.0%	14.3%	15.3%	27.0%	20.5%
	Mean Value **	NA	3.5	2.7	NA	NA	3.7	3.3	5.0	3.2		
	Mean Quality ***	3.0	4.0	3.5	NA	NA	4.0	3.5	NA	3.7		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	7.1%	0.0%	0.0%	2.7%		
LDF	Avg. Use *	16.7%	8.3%	28.9%	33.3%	0.0%	50.0%	20.0%	0.0%	21.6%	32.6%	26.5%
	Mean Value **	NA	3.4	2.9	5.0	NA	3.8	2.0	NA	3.2		
	Mean Quality ***	3.0	3.9	3.1	5.0	NA	3.8	2.0	NA	3.4		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		
LGF-21	Avg. Use *	33.3%	13.9%	26.3%	33.3%	50.0%	42.9%	20.0%	0.0%	23.4%	32.6%	27.5%
	Mean Value **	3.0	3.5	3.1	5.0	4.0	4.0	2.0	NA	3.3		
	Mean Quality ***	3.7	4.0	3.4	5.0	5.0	4.0	2.0	NA	3.7		
	Input Avg. ****	0.0%	0.0%	15.8%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%		
LGF-1	Avg. Use *	33.3%	13.9%	26.3%	33.3%	0.0%	57.1%	20.0%	0.0%	24.3%	32.6%	28.0%
	Mean Value **	3.0	3.6	3.2	5.0	NA	3.6	2.0	NA	3.3		
	Mean Quality ***	4.3	3.9	3.3	5.0	NA	3.8	2.0	NA	3.6		
	Input Avg. ****	0.0%	0.0%	18.4%	0.0%	0.0%	0.0%	0.0%	0.0%	6.3%		
LGF-2	Avg. Use *	33.3%	8.3%	28.9%	33.3%	0.0%	35.7%	20.0%	0.0%	20.7%	32.6%	26.0%
	Mean Value **	3.0	3.6	3.2	5.0	NA	4.0	2.0	NA	3.3		
	Mean Quality ***	3.7	3.7	3.3	5.0	NA	3.8	2.0	NA	3.5		
	Input Avg. ****	0.0%	0.0%	18.4%	0.0%	0.0%	0.0%	0.0%	0.0%	6.3%		

* % using at least 2x a year

** Average score of table's value

*** Average score of table's quality

**** % inputting table into computer

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April 1995

Appendix B

SUMMARY OF RESULTS

		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
Total Responses		6	36	38	3	2	14	5	7	111	89	200
CHART, P. 125	Avg. Use *	50.0%	2.8%	18.4%	33.3%	0.0%	28.6%	20.0%	0.0%	15.3%	28.1%	21.0%
	Mean Value **	4.0	3.3	2.7	5.0	NA	4.0	2.0	NA	3.0		
	Mean Quality ***	3.7	3.9	3.3	5.0	NA	4.0	2.0	NA	3.5		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		
LGF-12	Avg. Use *	0.0%	2.8%	18.4%	33.3%	0.0%	42.9%	20.0%	0.0%	14.4%	25.8%	19.5%
	Mean Value **	NA	3.6	2.7	5.0	NA	3.6	2.0	NA	3.1		
	Mean Quality ***	3.0	3.9	3.1	5.0	NA	4.0	2.0	NA	3.5		
	Input Avg. ****	0.0%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%		
LGB-2	Avg. Use *	0.0%	2.8%	15.8%	33.3%	0.0%	35.7%	0.0%	0.0%	11.7%	25.8%	18.0%
	Mean Value **	NA	3.3	2.9	5.0	NA	3.5	2.0	NA	3.1		
	Mean Quality ***	3.0	4.0	3.2	5.0	NA	4.5	NA	NA	3.7		
	Input Avg. ****	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%		
LGB-2T	Avg. Use *	0.0%	2.8%	5.3%	33.3%	0.0%	35.7%	0.0%	0.0%	8.1%	24.7%	15.5%
	Mean Value **	NA	3.3	2.3	5.0	NA	3.5	2.0	NA	2.8		
	Mean Quality ***	3.0	4.0	3.3	5.0	NA	4.5	NA	NA	3.8		
	Input Avg. ****	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%		
LGF-3B	Avg. Use *	0.0%	8.3%	10.5%	33.3%	50.0%	35.7%	20.0%	0.0%	13.5%	28.1%	20.0%
	Mean Value **	NA	3.4	2.6	5.0	5.0	3.5	3.5	NA	3.1		
	Mean Quality ***	3.0	3.8	3.3	5.0	5.0	4.3	5.0	NA	3.7		
	Input Avg. ****	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%		
LGF-4B	Avg. Use *	0.0%	5.6%	10.5%	33.3%	50.0%	28.6%	20.0%	0.0%	11.7%	27.0%	18.5%
	Mean Value **	NA	3.0	2.6	5.0	5.0	3.5	3.5	NA	3.0		
	Mean Quality ***	3.0	3.7	3.3	5.0	5.0	4.3	5.0	0.0%	3.7		
	Input Avg. ****	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%		
HM-12	Avg. Use *	50.0%	30.6%	34.2%	66.7%	100.0%	42.9%	60.0%	0.0%	36.0%	41.6%	38.5%
	Mean Value **	3.5	4.1	3.2	4.0	5.0	3.8	3.0	2.0	3.5		
	Mean Quality ***	4.3	4.3	3.5	4.0	5.0	4.3	2.0	NA	3.9		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		

* % using at least 2x a year

** Average score of table's value

*** Average score of table's quality

**** % inputting table into computer

Appendix B

14

April 1995

SUMMARY OF RESULTS

		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
Total Responses		6	36	38	3	2	14	5	7	111	89	200
HM-16	Avg. Use *	16.7%	30.6%	44.7%	33.3%	100.0%	35.7%	60.0%	0.0%	36.0%	36.0%	36.0%
	Mean Value **	NA	4.4	3.2	5.0	5.0	3.8	3.0	NA	3.6		
	Mean Quality ***	4.0	4.3	3.5	5.0	5.0	4.5	2.0	NA	3.9		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		
HM-18	Avg. Use *	16.7%	41.7%	42.1%	33.3%	100.0%	35.7%	80.0%	0.0%	39.6%	38.2%	39.0%
	Mean Value **	NA	4.2	3.2	5.0	5.0	3.8	3.7	NA	3.7		
	Mean Quality ***	4.0	4.4	3.5	5.0	5.0	4.0	3.5	NA	3.9		
	Input Avg. ****	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%		
HM-10	Avg. Use *	66.7%	41.7%	68.4%	33.3%	100.0%	35.7%	40.0%	0.0%	49.5%	38.2%	44.5%
	Mean Value **	4.3	4.1	3.8	5.0	5.0	3.3	3.0	NA	3.8		
	Mean Quality ***	4.8	4.1	3.9	5.0	5.0	4.0	2.0	NA	4.1		
	Input Avg. ****	33.3%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%		
HM-14	Avg. Use *	16.7%	36.1%	60.5%	33.3%	100.0%	42.9%	40.0%	0.0%	43.2%	36.0%	40.0%
	Mean Value **	NA	4.1	3.7	5.0	5.0	3.7	3.0	NA	3.8		
	Mean Quality ***	5.0	4.2	3.9	5.0	5.0	4.3	2.0	NA	4.1		
	Input Avg. ****	16.7%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%		
HM-15	Avg. Use *	16.7%	47.2%	63.2%	33.3%	100.0%	42.9%	40.0%	0.0%	47.7%	33.7%	41.5%
	Mean Value **	NA	4.1	3.8	5.0	5.0	3.7	3.0	NA	3.9		
	Mean Quality ***	4.0	4.3	4.0	5.0	5.0	4.3	2.0	NA	4.1		
	Input Avg. ****	0.0%	0.0%	18.4%	0.0%	0.0%	0.0%	0.0%	0.0%	6.3%		
HM-20	Avg. Use *	50.0%	55.6%	60.5%	33.3%	100.0%	42.9%	40.0%	0.0%	51.4%	37.1%	45.0%
	Mean Value **	4.5	4.3	4.0	5.0	5.0	3.8	3.0	3.0	4.1		
	Mean Quality ***	4.3	4.4	4.0	5.0	5.0	4.4	2.0	NA	4.2		
	Input Avg. ****	16.7%	0.0%	18.4%	0.0%	0.0%	7.1%	0.0%	0.0%	8.1%		
HM-31	Avg. Use *	16.7%	25.0%	31.6%	33.3%	50.0%	35.7%	60.0%	0.0%	28.8%	32.6%	30.5%
	Mean Value **	NA	3.9	3.1	5.0	5.0	3.8	3.7	NA	3.5		
	Mean Quality ***	3.0	4.3	3.5	5.0	5.0	4.3	3.5	NA	3.9		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		

* % using at least 2x a year
** Average score of table's value
*** Average score of table's quality
**** % inputting table into computer

Appendix B

SUMMARY OF RESULTS

Total Responses		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
		6	36	38	3	2	14	5	7	111	89	200
HM-33	Avg. Use *	16.7%	25.0%	26.3%	33.3%	50.0%	35.7%	40.0%	0.0%	26.1%	32.6%	29.0%
	Mean Value **	NA	3.7	3.2	5.0	5.0	3.7	3.0	NA	3.5		
	Mean Quality ***	4.0	4.3	3.6	5.0	5.0	4.0	2.0	NA	3.9		
	Input Avg. ****	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%		
HM-35	Avg. Use *	16.7%	30.6%	26.3%	33.3%	50.0%	42.9%	40.0%	0.0%	28.8%	34.8%	31.5%
	Mean Value **	NA	4.1	3.1	5.0	5.0	3.8	3.0	NA	3.6		
	Mean Quality ***	4.0	4.4	3.7	5.0	5.0	4.4	2.0	NA	4.0		
	Input Avg. ****	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%		
HM-36	Avg. Use *	16.7%	30.6%	21.1%	33.3%	50.0%	35.7%	40.0%	0.0%	26.1%	36.0%	30.5%
	Mean Value **	NA	4.0	3.1	5.0	5.0	4.0	3.0	NA	3.6		
	Mean Quality ***	4.0	4.3	3.5	5.0	5.0	4.3	2.0	NA	3.9		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		
HM-37	Avg. Use *	16.7%	38.9%	36.8%	33.3%	100.0%	42.9%	40.0%	0.0%	36.0%	39.3%	37.5%
	Mean Value **	NA	4.1	3.5	5.0	5.0	3.9	3.0	NA	3.8		
	Mean Quality ***	4.0	4.3	3.7	5.0	5.0	4.2	2.0	NA	4.0		
	Input Avg. ****	0.0%	2.8%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%		
HM-39	Avg. Use *	16.7%	25.0%	21.1%	33.3%	50.0%	35.7%	40.0%	0.0%	24.3%	36.0%	29.5%
	Mean Value **	NA	3.9	2.9	5.0	5.0	3.8	3.0	NA	3.4		
	Mean Quality ***	4.0	4.2	3.3	5.0	5.0	4.3	2.0	NA	3.7		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		
HM-45	Avg. Use *	16.7%	38.9%	42.1%	33.3%	100.0%	28.6%	60.0%	0.0%	36.9%	39.3%	38.0%
	Mean Value **	NA	4.1	3.3	5.0	5.0	3.6	3.0	NA	3.7		
	Mean Quality ***	4.0	4.4	3.7	5.0	5.0	4.3	2.0	NA	4.0		
	Input Avg. ****	0.0%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%		
HM-41	Avg. Use *	0.0%	25.0%	36.8%	33.3%	50.0%	35.7%	40.0%	0.0%	28.8%	38.2%	33.0%
	Mean Value **	NA	4.0	3.4	5.0	5.0	3.7	3.0	NA	3.7		
	Mean Quality ***	4.0	4.1	3.8	5.0	5.0	4.2	2.0	NA	3.9		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		

* % using at least 2x a year

** Average score of table's value

*** Average score of table's quality

**** % inputting table into computer

Appendix B

16

April 1995

SUMMARY OF RESULTS

Total Responses		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
		6	36	38	3	2	14	5	7	111	89	200
HM-50	Avg. Use *	33.3%	38.9%	42.1%	33.3%	50.0%	35.7%	40.0%	0.0%	36.9%	34.8%	36.0%
	Mean Value **	3.5	3.9	3.9	5.0	5.0	3.8	3.0	NA	4.0		
	Mean Quality ***	4.7	4.2	3.9	5.0	5.0	4.5	2.0	NA	4.1		
	Input Avg. ****	0.0%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%		
HM-51	Avg. Use *	33.3%	25.0%	26.3%	33.3%	50.0%	35.7%	40.0%	0.0%	27.0%	33.7%	30.0%
	Mean Value **	4.0	3.9	3.3	5.0	5.0	4.0	3.0	NA	3.6		
	Mean Quality ***	3.5	4.2	3.5	5.0	5.0	4.5	2.0	NA	3.8		
	Input Avg. ****	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%		
HM-53	Avg. Use *	33.3%	25.0%	28.9%	33.3%	50.0%	42.9%	60.0%	0.0%	29.7%	33.7%	31.5%
	Mean Value **	4.0	3.8	3.4	5.0	5.0	4.2	3.0	NA	3.7		
	Mean Quality ***	4.0	4.0	3.6	5.0	5.0	4.6	2.0	NA	3.9		
	Input Avg. ****	0.0%	0.0%	7.9%	0.0%	0.0%	7.1%	0.0%	0.0%	11.4%		
HM-55	Avg. Use *	33.3%	19.4%	21.1%	33.3%	50.0%	35.7%	40.0%	0.0%	74.3%	32.6%	27.5%
	Mean Value **	3.5	3.5	3.3	5.0	5.0	4.0	3.0	NA	3.6		
	Mean Quality ***	4.0	4.0	3.4	5.0	5.0	4.4	2.0	NA	3.8		
	Input Avg. ****	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%		
HM-57	Avg. Use *	50.0%	36.1%	47.4%	33.3%	50.0%	50.0%	40.0%	14.3%	41.4%	33.7%	38.0%
	Mean Value **	4.0	3.9	3.7	5.0	5.0	3.9	3.5	4.0	3.9		
	Mean Quality ***	3.5	4.4	3.5	5.0	5.0	4.3	2.0	NA	3.9		
	Input Avg. ****	0.0%	0.0%	15.8%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%		
HM-59	Avg. Use *	33.3%	27.8%	28.9%	33.3%	50.0%	35.7%	40.0%	0.0%	28.8%	38.2%	33.0%
	Mean Value **	3.5	3.9	3.2	5.0	5.0	3.7	3.5	NA	3.6		
	Mean Quality ***	4.0	4.2	3.3	5.0	5.0	3.8	2.0	NA	3.8		
	Input Avg. ****	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%		
HM-61	Avg. Use *	50.0%	22.2%	31.6%	33.3%	50.0%	42.9%	40.0%	0.0%	29.7%	32.6%	31.0%
	Mean Value **	4.0	3.6	3.4	5.0	5.0	4.1	3.0	NA	3.6		
	Mean Quality ***	3.0	3.9	3.4	5.0	5.0	4.1	2.0	NA	3.7		
	Input Avg. ****	16.7%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		

* % using at least 2x a year

** Average score of table's value

*** Average score of table's quality

**** % inputting table into computer

Appendix B

SUMMARY OF RESULTS

	Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
Total Responses	6	36	38	3	2	14	5	7	111	89	200
CHART, P. 190 Avg. Use *	33.3%	25.0%	18.4%	33.3%	50.0%	42.9%	40.0%	0.0%	25.2%	37.1%	30.5%
Mean Value **	4.0	3.8	3.1	5.0	5.0	4.3	3.0	NA	3.5		
Mean Quality ***	3.0	3.9	3.2	5.0	5.0	4.3	2.0	NA	3.7		
Input Avg. ****	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%		
HM-63 Avg. Use *	16.7%	30.6%	47.4%	33.3%	50.0%	28.6%	40.0%	0.0%	34.2%	34.8%	34.5%
Mean Value **	4.5	3.7	3.8	5.0	5.0	3.8	3.5	NA	3.9		
Mean Quality ***	5.0	3.7	3.6	5.0	5.0	4.3	2.0	NA	3.8		
Input Avg. ****	16.7%	2.8%	15.8%	0.0%	0.0%	0.0%	0.0%	0.0%	7.2%		
HM-64 Avg. Use *	0.0%	27.8%	39.5%	33.3%	50.0%	28.6%	40.0%	0.0%	29.7%	32.6%	31.0%
Mean Value **	4.0	3.8	3.6	5.0	5.0	4.0	3.0	NA	3.8		
Mean Quality ***	NA	4.0	3.5	5.0	5.0	4.3	2.0	NA	3.8		
Input Avg. ****	0.0%	2.8%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%		
HM-60 Avg. Use *	33.3%	30.6%	52.6%	66.7%	50.0%	35.7%	60.0%	0.0%	39.6%	39.3%	39.5%
Mean Value **	3.5	4.2	3.6	4.0	5.0	4.0	3.5	NA	3.8		
Mean Quality ***	3.0	4.4	3.6	4.0	5.0	4.4	2.0	NA	3.9		
Input Avg. ****	0.0%	0.0%	18.4%	0.0%	0.0%	0.0%	0.0%	0.0%	6.3%		
HM-65 Avg. Use *	50.0%	25.0%	31.6%	33.3%	0.0%	42.9%	40.0%	0.0%	29.7%	34.8%	32.0%
Mean Value **	4.8	3.8	3.5	5.0	NA	4.0	3.5	NA	3.7		
Mean Quality ***	4.7	4.2	3.4	5.0	NA	4.3	2.0	NA	3.9		
Input Avg. ****	33.3%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	5.4%		
HM-67 Avg. Use *	33.3%	30.6%	28.9%	66.7%	100.0%	42.9%	40.0%	0.0%	32.4%	34.8%	33.5%
Mean Value **	4.5	3.8	3.3	4.0	5.0	4.0	3.0	4.0	3.6		
Mean Quality ***	4.0	4.1	3.4	4.0	5.0	4.3	2.0	NA	3.8		
Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		
HM-71 Avg. Use *	16.7%	38.9%	39.5%	66.7%	100.0%	50.0%	40.0%	14.3%	39.6%	43.8%	41.5%
Mean Value **	4.0	4.0	3.2	4.0	5.0	4.4	3.5	5.0	3.7		
Mean Quality ***	4.0	4.2	3.5	4.0	5.0	4.5	2.0	NA	3.9		
Input Avg. ****	0.0%	0.0%	18.4%	0.0%	0.0%	0.0%	0.0%	0.0%	6.3%		

* % using at least 2x a year

** Average score of table's value

*** Average score of table's quality

**** % inputting table into computer

Appendix B

18

April 1995

SUMMARY OF RESULTS

Total Responses		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
		6	36	38	3	2	14	5	7	111	89	200
HM-72	Avg. Use *	16.7%	27.8%	28.9%	66.7%	50.0%	50.0%	60.0%	28.6%	33.3%	40.4%	36.5%
	Mean Value **	4.0	4.0	3.0	4.0	5.0	4.3	4.0	3.3	3.5		
	Mean Quality ***	4.0	4.3	3.2	4.0	5.0	4.5	3.5	NA	3.8		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	14.3%	4.5%		
VM-1	Avg. Use *	33.3%	41.7%	60.5%	66.7%	50.0%	42.9%	100.0%	42.9%	51.4%	64.0%	57.0%
	Mean Value **	4.0	4.2	4.0	5.0	5.0	4.2	4.3	4.7	4.2		
	Mean Quality ***	4.0	4.2	3.9	5.0	5.0	4.4	4.0	4.0	4.1		
	Input Avg. ****	0.0%	2.8%	23.7%	33.3%	0.0%	0.0%	0.0%	28.6%	11.7%		
VM-2	Avg. Use *	50.0%	44.4%	78.9%	66.7%	50.0%	57.1%	60.0%	28.6%	58.6%	60.7%	59.5%
	Mean Value **	4.0	4.0	4.2	5.0	5.0	4.0	4.0	4.0	4.1		
	Mean Quality ***	4.0	4.2	4.1	5.0	5.0	4.1	3.5	3.0	4.1		
	Input Avg. ****	33.3%	2.8%	34.2%	33.3%	0.0%	0.0%	0.0%	14.3%	16.2%		
VM-2 (revised)	Avg. Use *	33.3%	44.4%	65.8%	66.7%	50.0%	57.1%	40.0%	28.6%	52.3%	53.9%	53.0%
	Mean Value **	4.5	4.0	4.1	5.0	5.0	4.0	3.5	4.0	4.1		
	Mean Quality ***	5.0	4.0	4.1	5.0	5.0	4.1	2.0	3.0	4.1		
	Input Avg. ****	16.7%	2.8%	28.9%	33.3%	0.0%	0.0%	0.0%	14.3%	13.5%		
VM-3	Avg. Use *	16.7%	36.1%	63.2%	66.7%	50.0%	50.0%	40.0%	28.6%	46.8%	40.4%	44.0%
	Mean Value **	4.0	3.9	3.8	4.0	5.0	3.6	3.5	4.0	3.9		
	Mean Quality ***	NA	4.2	3.8	4.0	5.0	3.9	2.0	3.0	3.9		
	Input Avg. ****	0.0%	2.8%	18.4%	0.0%	0.0%	0.0%	0.0%	14.3%	8.1%		
CHART, P. 22	Avg. Use *	16.7%	25.0%	28.9%	66.7%	0.0%	50.0%	40.0%	14.3%	29.7%	40.4%	34.5%
	Mean Value **	3.0	4.2	3.0	4.0	NA	4.3	3.0	5.0	3.6		
	Mean Quality ***	NA	4.4	3.6	3.5	NA	4.3	2.0	NA	3.9		
	Input Avg. ****	0.0%	2.8%	7.9%	0.0%	0.0%	7.1%	0.0%	14.3%	5.4%		
FI-1	Avg. Use *	33.3%	25.0%	28.9%	33.3%	100.0%	28.6%	40.0%	14.3%	28.8%	33.7%	31.0%
	Mean Value **	4.0	4.2	3.3	3.0	5.0	3.4	4.0	4.0	3.7		
	Mean Quality ***	5.0	4.2	3.4	3.0	5.0	3.5	NA	NA	3.9		
	Input Avg. ****	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%		

* % using at least 2x a year

** Average score of table's value

*** Average score of table's quality

**** % inputting table into computer

Appendix B

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April 1995

SUMMARY OF RESULTS

Total Responses		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
		6	36	38	3	2	14	5	7	111	89	200
FI-2	Avg. Use *	50.0%	22.2%	31.6%	33.3%	100.0%	28.6%	20.0%	14.3%	28.8%	34.8%	31.5%
	Mean Value **	3.7	4.1	3.3	3.0	5.0	3.5	4.0	NA	3.7		
	Mean Quality ***	4.5	4.3	3.6	3.0	5.0	4.0	NA	NA	4.0		
	Input Avg. ****	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		
FI-3	Avg. Use *	50.0%	22.2%	34.2%	0.0%	100.0%	28.6%	20.0%	14.3%	28.8%	32.6%	30.5%
	Mean Value **	3.5	4.2	3.4	NA	5.0	3.5	4.0	4.0	3.8		
	Mean Quality ***	4.7	4.3	3.6	NA	5.0	3.7	NA	NA	3.9		
	Input Avg. ****	16.7%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%		
FI-4	Avg. Use *	33.3%	16.7%	28.9%	0.0%	100.0%	28.6%	20.0%	14.3%	24.3%	29.2%	26.5%
	Mean Value **	3.5	4.1	3.3	NA	5.0	3.8	4.0	4.0	3.7		
	Mean Quality ***	4.0	4.3	3.5	NA	5.0	4.0	NA	NA	3.9		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		
FI-5	Avg. Use *	33.3%	16.7%	28.9%	0.0%	100.0%	28.6%	20.0%	14.3%	24.3%	30.3%	27.0%
	Mean Value **	3.5	4.1	3.3	NA	5.0	3.8	4.0	4.0	3.7		
	Mean Quality ***	4.0	4.3	3.5	NA	5.0	4.0	NA	NA	3.9		
	Input Avg. ****	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%		
FI-6	Avg. Use *	33.3%	16.7%	23.7%	0.0%	100.0%	28.6%	20.0%	14.3%	22.5%	28.1%	25.0%
	Mean Value **	3.5	4.0	3.3	NA	5.0	3.8	4.0	4.0	3.7		
	Mean Quality ***	3.0	4.4	3.4	NA	5.0	3.7	NA	NA	3.8		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		
FI-7	Avg. Use *	33.3%	16.7%	23.7%	0.0%	100.0%	28.6%	20.0%	14.3%	22.5%	29.2%	25.5%
	Mean Value **	3.5	4.0	3.2	NA	5.0	3.8	4.0	4.0	3.6		
	Mean Quality ***	3.0	4.4	3.4	NA	5.0	3.7	NA	NA	3.8		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		
FI-8	Avg. Use *	33.3%	16.7%	21.1%	0.0%	100.0%	28.6%	20.0%	14.3%	21.6%	28.1%	24.5%
	Mean Value **	3.5	4.0	3.1	NA	5.0	3.8	4.0	4.0	3.6		
	Mean Quality ***	3.0	4.3	3.3	NA	5.0	3.7	NA	NA	3.8		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		

* % using at least 2x a year
** Average score of table's value
*** Average score of table's quality
**** % inputting table into computer

Appendix B

SUMMARY OF RESULTS

		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
Total Responses		6	36	38	3	2	14	5	7	111	89	200
FI-9	Avg. Use *	33.3%	16.7%	21.1%	0.0%	100.0%	28.6%	20.0%	14.3%	21.6%	29.2%	25.0%
	Mean Value **	3.5	3.9	3.1	NA	5.0	4.0	4.0	4.0	3.6		
	Mean Quality ***	3.0	4.4	3.3	NA	5.0	3.7	NA	NA	3.8		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		
VS-1	Avg. Use *	33.3%	22.2%	23.7%	0.0%	100.0%	28.6%	40.0%	0.0%	24.3%	34.8%	29.0%
	Mean Value **	4.5	4.1	3.3	NA	5.0	3.8	4.0	4.0	3.8		
	Mean Quality ***	5.0	4.5	3.4	NA	5.0	4.0	3.0	NA	3.9		
	Input Avg. ****	16.7%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%		
VS-2	Avg. Use *	16.7%	22.2%	23.7%	0.0%	100.0%	28.6%	40.0%	0.0%	23.4%	33.7%	28.0%
	Mean Value **	4.5	4.0	3.4	NA	5.0	3.8	4.0	4.0	3.8		
	Mean Quality ***	5.0	4.5	3.4	NA	5.0	3.8	3.0	NA	3.9		
	Input Avg. ****	16.7%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%		
CHART, P. 223	Avg. Use *	16.7%	19.4%	15.8%	0.0%	100.0%	28.6%	40.0%	14.3%	20.7%	29.2%	24.5%
	Mean Value **	4.0	4.2	2.9	NA	5.0	3.8	3.5	4.0	3.5		
	Mean Quality ***	NA	4.5	3.0	NA	5.0	3.8	2.0	NA	3.7		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		
TC-3	Avg. Use *	16.7%	22.2%	15.8%	0.0%	100.0%	35.7%	40.0%	0.0%	21.6%	28.1%	24.5%
	Mean Value **	4.0	4.3	3.2	NA	5.0	3.8	3.0	NA	3.6		
	Mean Quality ***	NA	4.5	3.3	NA	5.0	3.8	2.0	NA	3.8		
	Input Avg. ****	0.0%	2.8%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%		
CHART, P. 225	Avg. Use *	0.0%	27.8%	21.1%	0.0%	50.0%	35.7%	40.0%	0.0%	23.4%	28.1%	25.5%
	Mean Value **	3.0	4.3	3.3	NA	5.0	3.8	3.0	NA	3.6		
	Mean Quality ***	NA	4.5	3.2	NA	5.0	3.8	2.0	NA	3.7		
	Input Avg. ****	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%		
HM-61	Avg. Use *	16.7%	16.7%	23.7%	0.0%	50.0%	35.7%	40.0%	0.0%	21.6%	30.3%	25.5%
	Mean Value **	4.5	4.1	3.4	NA	5.0	3.5	2.5	NA	3.6		
	Mean Quality ***	4.0	4.4	3.6	NA	5.0	3.7	2.0	NA	3.8		
	Input Avg. ****	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

* % using at least 2x a year

** Average score of table's value

*** Average score of table's quality

**** % inputting table into computer

Appendix B

SUMMARY OF RESULTS

		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
Total Responses		*6*	*36*	*38*	*3*	*2*	*14*	*5*	*7*	*111*	*89*	*200*
HM-63	Avg. Use *	16.7%	22.2%	34.2%	0.0%	50.0%	35.7%	40.0%	0.0%	27.0%	29.2%	28.0%
	Mean Value **	4.0	4.2	3.6	NA	5.0	3.5	3.0	NA	3.8		
	Mean Quality ***	4.0	4.1	3.5	NA	5.0	3.7	2.0	NA	3.7		
	Input Avg. ****	16.7%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%		
HM-64	Avg. Use *	0.0%	22.2%	28.9%	0.0%	50.0%	35.7%	40.0%	0.0%	24.3%	28.1%	26.0%
	Mean Value **	2.0	4.3	3.4	NA	5.0	3.5	2.5	NA	3.7		
	Mean Quality ***	3.0	4.1	3.3	NA	5.0	4.0	2.0	NA	3.6		
	Input Avg. ****	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%		
PR-1	Avg. Use *	0.0%	2.8%	2.6%	0.0%	0.0%	7.1%	0.0%	0.0%	2.7%	16.9%	9.0%
	Mean Value **	3.0	3.0	2.1	NA	NA	2.5	1.0	NA	2.3		
	Mean Quality ***	NA	3.5	2.9	NA	NA	4.0	NA	NA	3.2		
	Input Avg. ****	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		
TER-1	Avg. Use *	0.0%	0.0%	2.6%	0.0%	0.0%	7.1%	0.0%	0.0%	1.8%	18.0%	9.0%
	Mean Value **	3.0	3.0	2.1	NA	NA	2.5	1.0	NA	2.3		
	Mean Quality ***	NA	3.5	2.9	NA	NA	4.0	NA	NA	3.2		
	Input Avg. ****	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		
I-1	Avg. Use *	16.7%	5.6%	7.9%	33.3%	0.0%	7.1%	40.0%	14.3%	9.9%	27.0%	17.5%
	Mean Value **	3.5	2.9	2.3	2.0	NA	2.5	2.5	NA	2.4		
	Mean Quality ***	4.0	3.3	3.1	3.0	NA	4.0	2.0	4.0	3.2		
	Input Avg. ****	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		
I-2	Avg. Use *	0.0%	2.8%	10.5%	33.3%	0.0%	14.3%	40.0%	14.3%	9.9%	24.7%	16.5%
	Mean Value **	4.0	3.0	2.4	4.0	NA	2.3	2.5	NA	2.6		
	Mean Quality ***	4.0	3.5	3.1	3.0	NA	3.0	2.0	4.0	3.2		
	Input Avg. ****	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		
I-3	Avg. Use *	0.0%	2.8%	7.9%	33.3%	0.0%	7.1%	40.0%	14.3%	8.1%	23.6%	15.0%
	Mean Value **	3.5	3.0	2.4	3.0	NA	2.5	2.5	NA	2.5		
	Mean Quality ***	3.0	3.5	3.1	3.0	NA	4.0	2.0	4.0	3.2		
	Input Avg. ****	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

* % using at least 2x a year
** Average score of table's value
*** Average score of table's quality
**** % inputting table into computer

Appendix B

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April 1995

SUMMARY OF RESULTS

		Academia	FHWA	State DOTs	Industry	Libraries	MPO	Other	US Government	Total "Long"	"Short"	Total Use
Total Responses		6	36	38	3	2	14	5	7	111	89	200
I-4	Avg. Use *	0.0%	2.8%	10.5%	33.3%	0.0%	14.3%	20.0%	14.3%	9.0%	24.7%	16.0%
	Mean Value **	4.0	3.0	2.4	3.0	NA	3.0	3.0	NA	2.6		
	Mean Quality ***	3.0	3.5	3.0	3.0	NA	4.0	NA	4.0	3.3		
	Input Avg. ****	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

* % using at least 2x a year

** Average score of table's value

*** Average score of table's quality

**** % inputting table into computer

Appendix B

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April 1995