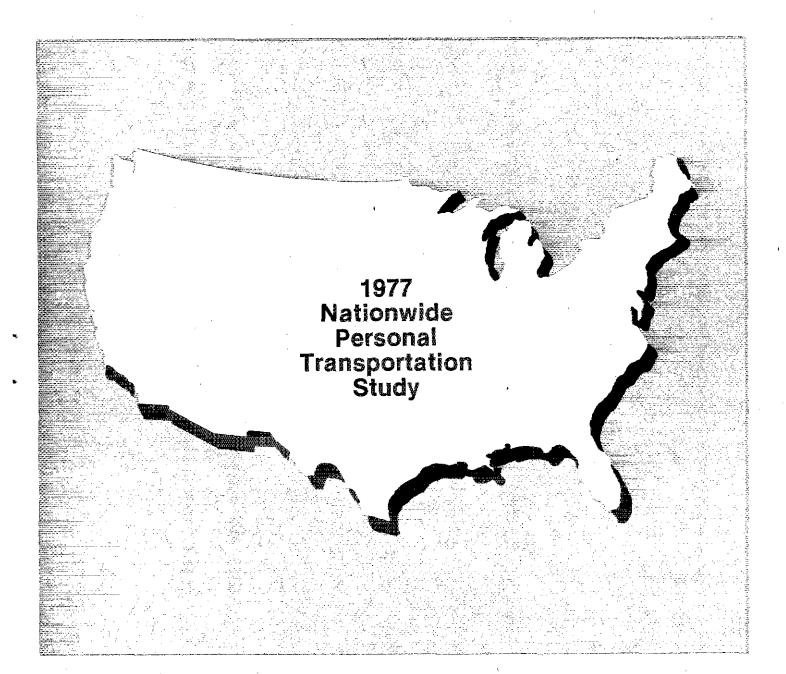
US.Department of Transportation

Federal Highway Administration

Characteristics of 1977 Licensed Drivers and Their Travel

Office of Highway Planning October 1980 Report No. 1



1977 NATIONWIDE PERSONAL TRANSPORTATION STUDY

CHARACTERISTICS OF 1977 LICENSED DRIVERS AND THEIR TRAVEL REPORT 1

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October 1980

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION WASHINGTON, D.C. 20590

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I. HIGHLIGHTS

- Driver licenses in 1977 were held by 80.8 percent of all persons 16 years of age and older.

- Driver licenses are held by 89.1 percent of all males and 73.4 percent of all females. For both sexes, the highest percent of licensed drivers was in the 25-29 and 30-34 year age groups, 91.2 and 92.1 percent, respectively.

- Approximately 51.9 percent of all licensed drivers are males and 48.1 percent of all licensed drivers are females. Since 1969, the percent difference of female drivers to total driving population has increased by 11.9 percent, however, the proportion of female licensed drivers in all age groups, except the 35-39 year age group has been below that of males.

- The percentage difference of persons driving less than 5,000 miles annually has decreased by 8.5 percent since 1969, while the percentage difference of persons driving more than 10,000 miles annually has increased by 9.9 percent.

- Average annual miles per driver have continued to climb since 1969 despite the oil embargo in 1973. Nationally, the average driver drove 10,006 miles during 1977, an increase of 1,324 miles from 1969.

- Males drove an average of 13,563 miles annually in 1977, an increase of 2,211 miles since 1969.

- Females drove an average of 5,943 miles annually, an increase of 532 miles from 1969.

- Despite the increased driving by females, male drivers on the average continue to drive more than twice as many miles per year as females.

- Vehicle miles of driving are highest for licensed drivers who reside in the less populated areas.

- On the average, the number of miles driven per licensed driver increases proportionately to the number of vehicles in the household.

- On the whole, as household income increases, the average number of miles driven per licensed driver increases.

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II. INTRODUCTION

A. PURPOSE OF REPORT

This report presents data related to licensed drivers and compiled from the 1977 Nationwide Personal Transportation Study (1977 NPTS).

Information about licensed drivers is important to Federal, State and local officials in the highway taxation and planning fields. The proportion of drivers to total driving age population 16 years of age-and-older has increased since 1969, accompanied by a proportional increase in the number of automobiles being driven. Women, in particular, are responsible for this large increase. More than 80 percent of females, ages 20-49 are licensed drivers today, compared to 50 percent and less 30 years ago. Since more than 85 percent of all person miles of travel is done in household vehicles such as the automobile, the characteristics of licensed drivers are critical to our understanding of travel behavior in the United States.

B. ORGANIZATION OF REPORT

Data collected in this study of licensed drivers are examined within three parameters. These parameters are (1) geographic distribution of the resident non-institutionalized driving age population 16 years of age-and-older with driver licenses by place of residence: inside and outside SMSA's, and SMSA by population size-groups; (2) population distribution of licensed drivers by age groups and sex; and (3) travel distribution of licensed drivers by place of residence inside/outside SMSA's, age groups, sex, and as related to number of drivers in the household, household income and number of vehicles in household.

The population data shown in this report are based on estimates of 1977 population expanded from the 1970 Census and include Armed Forces personnel living on base and off-base housing units.

Information describing the survey procedures and data processing, including sample design, survey methodology, processing procedures, provisions for obtaining special tabulations, subject areas planned for 1977 NPTS reports, as well as an order form with description and price of the public use tapes are found in the Appendix of this report.

C. DESCRIPTION OF DATA

The 1977 Nationwide Personal Transportation Study (1977 NPTS) was designed to update the earlier study done in 1969 to provide comprehensive data on travel and transportation patterns in the United States. The 1977 NPTS addressed the full range of trips and travel done by U.S. households, along with the related social and economic characteristics of the tripmaker. The 1977 study was designed to collect information on all trips taken during a designated 24-hour period and some additional detail on trips of 75-miles-or-more during the preceding 14-day period. The 1977 study collected information on the use and availability of public transportation facilities, types of motorized vehicles available to the household, characteristics of the trips taken, including mode, purpose, miles traveled, time required and persons on the trip. The additional information obtained for trips of 75 miles-or-more included number and type of stops made during the trip and uses of additional modes of transportation. A unique feature of the 1977 NPTS was the use of mapping during home interviews to estimate the amount of travel in urban and rural areas.

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Nationwide, the total number of persons who indicated they were licensed drivers was estimated at 127,525,000. This number is approximately 10,596,000 below the total number of driver licenses reported by and in the files of the 50 States and the District of Columbia. Table A-1 in Appendix A compares the number of licensed drivers from the 1977 NPTS (127,525,000) with the number of driver licenses reported by the 50 States and the District of Columbia for 1977 (138,121,000) within each age group. Although the age distribution from the two sources is almost identical, the number of driver licenses from NPTS. The differences in the two figures may be definitional; i.e., licensed drivers vs. driver licenses. That is, the NPTS 1977 questionnaire asked a respondent to indicate whether he (she) was a licensed driver; the expanded sample of licensed drivers obtained from NPTS may have produced too low an estimate. The number of driver licenses, on the other hand, is based on a count of documents from reports of State authorities and may include duplicate licenses as well as licenses no longer valid (e.g., death).

IV. SUMMARY

Approximately 80.8 percent of all persons 16 years and over were licensed drivers in 1977, a 7.2 percentage points increase from 1969 and was due largely to the increasing proportion of women drivers. While the percent of male drivers increased 2.1 percentage points from 1969 to a level of 89.1 percent in 1977, the percent of female licensed drivers increased by 11.9 percent to a level of 72.3 percent in 1977. For both sexes, the highest percent of licensed drivers (as a proportion of 16 years and older) was in the 25-29 and 30-34 age groups, 91.2 and 92.1 percent, respectively.

Approximately 51.9 percent of all licensed drivers are males, a 4.4 percent decrease from 1969. Approximately 48.1 percent of all licensed drivers are females, a 4.4 percent increase since 1969. Since 1969, the percent of male drivers within each age group has shown a decrease. While female drivers have continued to make gains as drivers, the proportion of female licensed drivers in all age groups, except the 35-39 year age group, remains below that of males.

A comparison of 1977 data with 1969 data indicates that the percent of persons driving less than 5,000 miles annually has decreased, while the percent of persons driving the longer distances has increased. Male drivers specifically have contributed largely to this overall increase.

The increased driving is reflected in the higher average annual miles per driver. Nationally, the average driver drove 10,006 miles during 1977, an average increase of 1,324 miles from 1970. Males drove an average of 13,563 miles annually, an increase of 2,211 miles per driver from 1969. Females drove an average of 5.943 miles, up 532 miles per female driver from 1969.

Generally, average miles driven increased for both males and females up through age 39 and then decreased. The average annual miles driven was lowest for persons 70 years of age and older. Despite the increased driving by female drivers, males on the average drove more than twice the miles per year averaged by females.

Vehicle-miles of travel were highest for licensed drivers who resided in the lesspopulated areas. Drivers living outside of SMSA's in places of less than 5,000

population, drove 10,4999 miles or 760 miles less than those drivers living in places of more than 5,000 population. Inside SMSA's, drivers living outside the central city drove almost 1000 miles more (10,376 miles) than those living inside the central city. Here in the second

On the average, the number of miles driven per driver increases almost proportionally to the number of vehicles in the household.

As household income increases, the average number of miles driven per licensed driver increases.

Appendix B

SURVEY PROCEDURES AND DATA PROCESSING

Background

The 1977 NPTS was conducted by the Bureau of the Census under the joint sponsorship of the Federal Highway Administration, and the National Highway Traffic Safety Administration of the Department of Transportation (DOT), as part of the expanded scope of the National Travel Program. The National Travel Program is part of the Census of Transportation, which is conducted every five years by the Bureau of the Census and includes the National Travel Survey (NTS). In 1977, the National Travel Program also included the 1977 NPTS and provided profiles of the volume and characteristics of travel by the civilian population.

Sample Design

The 1977 NPTS was based on a national probability sample of 24,466 households selected from each of the 50 States and the District of Columbia and representing the total civilian noninstitutional population of the United States. Of the 24,466 household, 3,433 units were found to be vacant, demolished, converted to nonresidential use, or otherwise ineligible for the survey. Some 3,084 households were not interviewed because the occupants were not at home after repeated calls, refused to paticipate in the survey, or were unavailable for some other reason.

All of the sample units consisted of households that had previously been interviewed for the Current Population Survey (CPS). The CPS is a stratified multistage cluster sample. In the first stage, the United States was divided into 1,030 primary sampling units (PSU's) consisting of counties, groups of counties, or independent cities, which were gouped into 376 strata. Among these strata, 156 consisted of a single PSU, designated as self-representing (SR) areas, and generally contained the larger metropolitan areas. The remaining 220, contained one or more according to socio-economic PSU's relatively homogeneous that are characteristics. From each stratum, a single PSU was selected for the sample with a probability proportionate to its 1970 census population; these PSU's are referred to as non-self representing (NSR). The CPS portion of the NPTS was selected from these 376 PSU's (156 SR and 220 NSR).

Methodology

As indicated previously, the 1977 NPTS was conducted as part of the expanded scope of the National Travel Program which also included the National Travel Survey (NTS). The NTS/NPTS included a common sample of 13,365 households interviewed from April-November 1977 and January 1978; these households were referred to as the basic sample, and were interviewed four times for NTS data and once for NPTS data. An additional 4,584 addresses, referred to as the supplemental sample, were divided into three equal parts and were interviewed in December 1977, February 1978, and March 1978. This arrangement spread the total NPTS data collection over a 12-month period from April 1977-March 1978, with approximately 1500 households to be interviewed each month.

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The households within each monthly sample were divided into 14 equal parts, with each part assigned to one of the first 14 days of the interview month. The assigned day was referred to as the designated travel day. In addition, each household was interviewed for trips of 75 miles and longer for the 14 days preceding the travel day; this was referred to as the 14-day travel period. Thus each household was interviewed for trips and travel during a 15-day period.

Data Processing

The major steps performed by the Bureau of the Census for the 1977 NPTS included clerical editing and coding of the NTS-2 Questionnaire, (Sections I-VI); the NTS-2A (Section VII) was edited and coded by the FHWA DOT personnel; full transcription of the data to magnetic tapes; computer edit of the data to ensure completeness and consistency; calculation of the weighting factors for each household; and computation of variance and calculation of statistical reliability of the data. The FHWA tabulated the data upon receipt of the edited, weighted data tapes from the Bureau of the Census.

Special Tabulations

There are some applications that require the use of data items on the Census file, such as those related to place of residence of individual respondents, that cannot be included on the public use tape without possible disclosure of the individual respondents. If disclosure can be avoided, the Bureau of the Census will undertake

special tabulations in accordance with its policy that "Special tabulation or transcriptions of data in the files of the Bureau of the Census will be undertaken on a cost basis, insofar as Bureau facilities are available. Those requesting special tabulations should understand that the data are based on surveys paid for by public funds and, therefore, are public property. The purpose for which such tabulations are obtained must not be contrary to the public interest, or be used to give unfair commercial or other advantage to any person or group."

Requests for special tabulations should be adressed to: Chief, Demographic Surveys Division, Bureau of the Census, Washington, D.C. 20233.

Subject Areas Planned for 1977 NPTS Reports

The following is a list of subject areas for which 1977 NPTS reports are presently planned. The sequence does not necessarily indicate the order in which the reports will be prepared and published. This is not a list of actual reports or report titles, but rather a list of subject areas. It is offered as an indication of current plans as well as to give transportation researchers and planners a general indication of the variety and scope which the 1977 NPTS data encompasses. For those reports that have been published, the correct title, report number and publication date are shown.

Licensed drivers: Characteristics of 1977 Licensed Drivers and Their Travel (Report # FHWA 1PL 180 1007, October 1980) Item 21: 74 pages Private vehicles - ownership and physical characteristics Purpose of trips and travel Home-to-work trips and travel Vehicle occupancy Vehicle utilization Travel and the family life cycle Multi-occupant vehicle travel - public and private Rural vs. urban travel Mapping as a travel data collection technique Survey description and tables of variance Discretionary travel Household travel rates Person-trip characteristics

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1 Antonche Anton enter steman Anton enter steman <th></th> <th>Venicle is it (are they)?</th> <th>What is the</th> <th>What is the m</th> <th>zke and model?</th> <th><u> </u></th> <th>loes it have</th> <th></th> <th></th> <th>s it air orditioned</th> <th></th> <th>vahitie? (Use codes beic</th> <th>[Aid</th> <th>(Entry of</th> <th>. T' II C</th> <th>olumn ı)</th> <th>4 times a</th> <th></th> <th>ALL the wa work of PA</th> <th></th> <th>iles was this chicle driven</th>		Venicle is it (are they)?	What is the	What is the m	zke and model?	<u> </u>	loes it have			s it air orditioned		vahitie? (Use codes beic	[Aid	(Entry of	. T' II C	olumn ı)	4 times a		ALL the wa work of PA		iles was this chicle driven
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(Ask only if one or more vehicles were reported in 142) In the last pear, whit has been the average movebly expense for sullivericites conned or Acced by this household? *⊂ Don't know	-						-	5		1	2	.		1 2	 			2	-	2	
(Ask only if one or more vehicles were reported in 14a) in the last year, what has been the avenage movely expense for sullivericies owned or kessed by this household? ×																					
	≜ ⊮_		vhicles w In the aven	ere reported n. N gh monfaly (x)	n 142) Dense for gasolin.	e fer slil <mark>va</mark>	ikickas ommu	5				5		monthly						÷	
													_			-				-	

(402) 1 ☐ Yes 2 ☐ No x ☐ Don't know } SK/P to 18
(403) $i = 1$ Less than 3 blocks (Less than $\frac{1}{4}$ mile) $2 = 3-6$ blocks ($\frac{1}{4}-\frac{1}{2}$ mile) $3 = 7-12$ blocks (More than $\frac{1}{2}$ mile, but not more than 1 mile) 4 = 13-24 blocks (More than 1, not greater than 2 miles) x = 0 Don't know - <i>SKIP to 18</i>
Image: Bus z main 3 main Streetcar 4 main Subway or elevated rail s main Other - Specify
403) T Less than 1 mile 2 1-2 miles 3 More than 2, less than 5, miles 4 5 miles or more x Don't know
406
(07)Mries o Less than ½ mile x Don't know 999 None available
(408) Miles o Less than ½mile

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Section III - OCCUPATION AND TRAVEL TO WORK ASK all household members 16 years or older	Household member line number
CHECK ITEM A	Yes - Transfer the Information for 20a-h from CC- Items 22a-h before continuing interview No
READ - Now I would like to ask you some questions about your occupation.	
20a. What were you doing most of LAST WEEK - (working, keeping house, going to school) or something else?	(92) 1 Working - SKIP to 20d \$ [Going to school 2 With a job but not at work - SKIP to 20d \$ [Unable to work - SKIP to Section IV 3 Looking for work 7 [Retired 4 [Keeping house \$] Other ~ Specify
b. Did you do any work at all EAST WEEK, not counting work around the house?	(503) 1 □ YES - SKIP 10 200 2 □ NO
c. Did you have a job or business from which you were temporarily absent or on layoff last week?	See 1 ☐ Yes 2 ☐ No - SKIP to Section IV
d. For whom did you work? (For Armed Forces, enter the particular branch)	
e. What kind of business or industry is this? (For Armed Forces, enter "Same as above")	
 What kind of work were you doing? (For example, electrical engineer, stock clerk, typist, farmer, Anned Forces) NOTE: Single word entries seldom give sufficient description. 	
g. What were your most important activilies as a (read entry from 201)? (For example, typing, keeping account books, selling cars, Armed Forces).	
h. Wene you -	\$077 1 An employee of a PRIVATE company, business, or individual for wages, salary, or commissions? z A GOVERNMENT employee (Federal, State, county, or local)? SELF-EMPLOYED in OWN business, professional practice or farm? (Mark "No," for formers without asking) Is it incorporated? x Pes 4 No 5 Working WITHOUT PAY in family business or farm?
21. What is your principal means of transportation to work?	Gee ← Enter code
(Enter code from NTS-6, page 8)	Other - specity se [] Work at home - skip to Section IV

2	a. Is this a regular arrangement of 2 or more persons traveling to work together - (carpool)?	(509) 0 [] NO - SKIP to 23 YES - How many persons, including you? Persons
	b. How many of these persons are members of this household? (Include the respondent)	(S10) Household members
	c. Do you share driving, drive others only or ride only?	(511) 1 Share driving 2 Drive others only SKIP to 24e s Ride only SKIP to 24e SKIP to 24e
2	8. What is your main reason for not riding in a carpool?	(512) 01irregular or unusual work hours 07ike privacy 02irregular work tocation 08iDon't know of anyone to ride with 03i Riders are not dependable and require extra waiting 09iDon't trust others' driving 05i Riders are not dependable and require extra waiting 00i triscont of my may to pick people up 00i triscont of my may to pick people up 05i Riders are not dependable and require extra waiting 06i Prefer to have car available for emergencies and 01i Other - Specify
2	la. In the last year have you changed your principal means of transportation to work?	(513) 1 Pes 2 Did not work last year - SKIP to 27 2 No - SKIP to 27 4 Worked at home last year - SKIP to 27
41	b. What was your reason for changing? Any other reason? (Mark ALL that apply)	(514) • Change of residence • Previous means no longer available • Change of job location • Previous means usatisfactory • Previous means no longer available • Previous means usatisfactory • Other - <i>Specity</i> • Other - <i>Specity</i>
2	6. What was the principal means of transportation to work before this change? (Enter code from NTS-6, page 8)	(515) ← Enter code Other - Specify
	CHECK Is one of the codes 01-07 entered in 25 above? ITEM C	☐ Yes ☐ No - SK/P to 27
2	ia. Was this a regular arrangement of 2 or more persons traveling to work together - (carpool)?	(516) o [] No - SKIP to 27 YES - How many persons, including you? Persons
Į	b. How many of these persons were members of this household? (Include the respondent)	(517) Household members
	c. Did you share driving, drive others only or ride only?	(518) 1 Share driving 2 Drive others only 3 Ride only
2	7. What is the one-way distance from your home to your present place of work?	(519) Miles □ □ Less than ½ mile □ □ No fixed place - SKIP to Section IV
2	How long does it usually take you to get from home to work?	(520) Minutes
		Paga

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FORM NTS-2 (11+8+77)

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	/ER INFORMATION Ambers of older.
(If respondent has already indicated that he drives, verify and mark appropriate box) 29a. Are you a licensed driver?	(52) 1 □ Yes 2 □ No - SKIP to Section V
b. About how many thousands of mites did you, personally, drive during the last 12 months, including miles driven as part of your work?	(\$22)Miles
CHECK ITEM D ITEM D	☐ Yes ☐ No - SKIP to Section V
30a. As an essential part of your work do you drive a motorized vechicle, such as a car, bus, van, truck, taxi or motorcycle?	(523) o [] N0 - SKIP to Section V YES - Which type of vehicle? (Enter code from NTS-R, page B)
SHOW CALENDAR b. Did you drive this vehicle as part of your work on (Travel Day)?	(524) o [] No YES - About how many miles? Miles
c. Approximately how many miles do you drive on an average work day, not counting driving to and from your place of work?	(523) Miles
d. On the average, how many days a week do you drive as part of your work?	(526) Days a week
e. You said you drovemiles (entry in 30b) as part of your work on (Travel Day). How many work-related stops did you make?	(527)Stops (Each of these stops is a trip)
f. What was the longest distance you traveled between 2 consecutive work-related stops?	(528)mıles o _ Less than ½ mıle
CHECK Is one of the codes 01-07 or 14 entered in 30a? ITEM D-1	No ~ SKIP to the introduction marked READ above item 31 YES

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CHECK Item D-2	is the entry in 30e 4 stops or less?	Yes Complete Part A of the NTS-2A for each of these trips when you complete the NTS-2A for this respondent, Now SKIP to the Introduction marked READ, above item 31
SHOW MAF 30g. You said yo Was all this	u traveledmiles (entry in 30b) as part of your job on (Travel Day), travel within the area on this map?	529) : No - SKIP to the introduction marked READ, above item 31 2 Yes
CHECK ITEM D-3	Does the PSU urban/rural map for this household have an urban/rural boundary(ies) marked on it?	 (330) 1 □ N0 - SKIP to the introduction marked READ, above item 31 z □ Yes - Show map to the respondent and ask 30h
	any of these miles were within the URBAN) shown on this map?	(33) Miles
For	w I would like to ask about any OTHER trips you took that ended on (Travel Day). A trip is anytime you went from example, your trip from home to your place of work would be one trip, a side-trip made during work hours would be ald be a fourth trip, and so on. erence period is from 4:00 a.m. on Travel Day to 3:59 a.m. the following day.	
	e any trips, other than those already reported, on (Travel Day)?	(532) 1 □ Yes - SKIP to item 32b 2 □ No - SKIP to Section VI
NOTES		(33) (33) (33)

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FORM NT5-2 (11-8-77)

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Section V - TRAVEL DAY

ASK 0 NTERVIEWER INSTRUCTION REFER	Ask of all household members 14 years and over. For persons person for whom information is being obtained. Reference day is from 4:00 a.m. to 3:39 a.m. the following day. Include as trips all walking or bicycling where the destination		, ask household respondent and enter the same address. Do NOT include	. For persons 5-13 years of age, ask household respondent and enter the line number of the for persons for a co following day. The destination and origin are not the same address. Do NOT include these as trips for persons under 14 years of age.	yeats of age.	Household member line number
READ - Now I have some questions about all trips taken or ending on (Travel Day). A trip is anytime you went from one address to another by car or bus, by walking or bicycling or by some other means. driving a car from your home to work would be one trip, walking from work to funch would be a verted work would be a third trip, etc.	bout all trips taken or ending on (to work would be one trip, walking	Teavel Dayr. A trip is anytime you from work to lunch would be a se	u went from one address to anoth cond trip, walking back from lun	er by car or bus, by walking or l ch to work would be a third trip,	vicycling or by some other means. Fetc.	For example,
→ PGM 6 ←				Enter trip number		
	TRIP (601)	TRIP (601)	TRIP (601)	TRIP (601)	(601) TRIP (601)	TRIP
SHOW CALENDAR	(602) (; ; Yec					
za. Uld you go any place on (travel Day iz						
b. Where did you go first?		- -				· · ·
ia. Did this trip begin at home?	(603) 1 [] Yes - SKIP to 34 2 [] No	·····				- - - - - - - - - - - - - - - - - - -
b. What was your main reason for being away from thome when you began this life? (Enter code from NTS-6, page 11)	(604) + Enter code			 		- - - - - - - - - - - - - - - - - - -
c. In what city, or place, and State was this?	605 Chy		- 9.			-
	State					
 What time did your start your trip to? 	(606)	ä.t.	(606)	606)	606) : a.m. 606	.m.e
	(607) p.n.)	(607)	(60) [4F.	(607) : b.m. (607)) <u>;</u>
iff respondent has already mentioned the reason, verify and enter the cade!	608) -Enter code	(608) - Enter code	(608) - Enter code		609 - Enter code 608)
 What was the main reason for the trip? (Enter code from NTS-5, page 71) 	lf "Other" - Soecify.	If "Other" - Specify	If "Other" – Specify	If "Other" - Specify.	If "Other" - Specify	lf "Other" - specify
NOTE TO INTERVIEWER - Circled ite	Circled items may be vertied for return trips to avoid repetition.	avoid repetition.				

(1) (1)	(622) Miles Miles o Less than '2 mile	(623) Minutes	620)	ASK 40e	SKIP to 45	(62) 1 1 Yes 2 1 No - 5KiP to 47	(626) Vehicle number	(627) o □ No Y ES - How many?	(28) Persons	o □ Not a household member Household member - Line No.
(60) a _ Ne others Y ES - Ma2 (10) FIS - Ma2 (11)	622) Mules o C Less than '2 mule		(624) - Enter code If "Other" - Specify	ASK 40a	SKIP to 458	(23) 1 □ Yes 2 □ № - 5KiP to 41	(20) Vehicle number	(627) ₀ † _ №0 YES - How many?	(23) Persons	• The second member and the second member - Household member - Line No.
(60) 0 - Ite others YES Mo? YES Mo? Fine numbers (10) (10) (10) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11)	$\underbrace{622}_{\circ \ \overline{}} \underbrace{\mathbf{M}_{\mathrm{elec}}}_{\mathrm{Less than}} \mathbf{M}_{\mathrm{elec}}$		(61)	□ ASK 40a □ SV/b · · • •	SKIP to 45a	(625) 1 - 1 Yes 2 - NO - SKIP to 47	Vehicle number	(627) ₀ □ № Y ES ~ How many?	628) Persons	o (Not a household member Household member - Line No.
0 - No others YES - Mo? YES - Mo? YES - Mo? (10) Enter / ne numbers (10) (11) (11) (12) (13) (13) (14) (14) (14) (15) (16) (16) (16) (16) (16) (16) (16) (17) (18) (18) (11) (11) (11) (12) (13)	622) Miles ∘ Less than 12 mile	Minutes	(62) Area code If "Other" - Specify	ASK 40a	SKIP to #58	(22) 1 □ Yes 2 □ No - SKIP to 41	(28) Vehicle number (28)	(627) ◦ □ No YES - How many?	East Persons	o Not a household member Hou - studd member – Line No.
0 0 1 Nc others YES - Mo? YES - Mo? YES - Mo? Free - International Control of the standard	622) Miles ₀ Less than ¹ 2 mile		(624) - Enter code If "Other" - Specify	ASK 40e	SKIP to 45a	(225) : □ Yes 2 □ N0 - SKIP to 41	(526) Vehicle number	(627) o □ No . YES - How many?	een Persons	a ☐ Not a household member Household member - Line No.
0 1 No others YES - Wo? YES - Wo? PER - No others Free numbers 000 000	(622) $\frac{1}{\circ - 1}$ Less than 1 2 mile	(23) Minutes	(624) 4 Enter code	ASK 408	SKIP to 45a	(25) 1 □ Yes 2 □ No - 5KiP to 41	(23) Vehicle number	(627) ₀ □ № YES ~ How many?	ea Persons	o 🗋 Not a household member Nousehold member – (629) Line No.
(36) Did anyone else living in this house- bold go on the trip? i.L.ist inte numbers of other household members who went on the trip).	(37) What was the total distance from where you started to (destination)?	Approximately how long did it lake to get there?	(39.) What was the main means of transportation used for this trip? Inter code from NTS-6, page 6)	Refer to item 39 CHECK One of the codes 0.1–0.7 is entered ITEME One of the codes 0.8–1.3 is entered		(Do not ask if no vehicles were reported for this household. Mark No.) (40a) Was a household vehicle used for this trip?	(Ask only if more then 1 vehicle was reported for this household. If only 1 vehicle enter "f without asking.) (40b) Which vehicle? (Enter number from item 14b)	(41) Were there any non-household members on the trip?	(42) Total number of ALL persons in the vehicle: (interveer - Verity that the sum of entities in items 36 and 41, plus the respondent was the total number of persons.)	(432) Who was the driver on the trip? (432) Who was the driver on the trip?

								Fage 20
				Section Y - TRAVEL DAY -	• Continued			Household member line number
		~ PGN	17 L	······	Enter	trip number	ىز <u>ەر</u> مىغىيىيىلەر ئىلىرىكى <u>مەر</u> مەمەر مەرمەمە تەرىپى	
			TRIP	TRIP	TRIP	TRIP	TRIP	TRIP
_			(70)	701	(70)	701	(70)	(701)
	CHECK Item f	Refer to Rem 37. Is the distance 25 miles or more?	☐ Yes ☐ No - skip to 44a	☐ Yes ☐ No - SKIP to 44#	☐ Yes ☐ N0 - SKIP to 44a	□ Yes □ N0 - SKIP to 44a	Yes No - SKIP to 44a	Yes No - Skip to 44a
43	(Enter ti	ane share the driving? he time number(s) of id member(s).	(702) 0 [_1 N0 YES - Who? of the y (703)	(702) • □ N0 YES - Who? What percent of the driving? (703) (704) (703) (704) (703) (706) (703) (706) (703) (706) (703) (708) (709) (710) (711) (712) (713) • □ Non- houseinold member(s) (714) (714)	(702) ○ N0 YES - What Who? percent of the driving? (703) (704) (703) (704) (703) (704) (703) (704) (703) (704) (703) (705) (703) (706) (707) (708) (709) (710) (711) (712) (713) \$\lambda\$ Non- household member(x5) (714)	(102) ₀ □ N₀ YES - Who? percent of the (703) - (703) - (704) - (705) - (706) - (707) - (708) - (709) - (709) - (709) - (701) - (703) - (709) - (709) - (701) - (701) - (703) - (704) - (705) - (708) - (709) - (701) - (703) - (704) - (705) - (706) - (707) - (708) - (709) - (701) - (701) - (703) - (703) - (704) - (703) - (704) - (705) - (706) - (707) - (708) - (708) - (709) - (701) - <td< th=""><th>(73) </th><th>(702) ◦ □ i No YES - What wha? of the y driving? (703) - 704) - 2 (703) - 706) - 2 (703) - 706) - 2 (703) - 706) - 2 (707) - 708) - 2 (707) - 708) - 2 (707) - 708) - 2 (707) - 708) - 2 (708) - 2 (709) - 2</th></td<>	(73)	(702) ◦ □ i No YES - What wha? of the y driving? (703) - 704) - 2 (703) - 706) - 2 (703) - 706) - 2 (703) - 706) - 2 (707) - 708) - 2 (707) - 708) - 2 (707) - 708) - 2 (707) - 708) - 2 (708) - 2 (709) - 2
44;) desturat r <i>Enter co</i> Codes 5-	id you park when you got to tion? ore from NTS-6, page 13) -7 - SKIP to 44c -11 - SKIP to 45a	(1) ← Enter code "Other" - Specify	(715) ← Enter code "Other" - Specify K	(113) ← Enter code "Other" - Specify K	(713) ← Enter code "Other" - Specify *	(11) ← Enter code "Other" - Specify	(713) ← Enter cade "Other" ~ Specify
	thers bec micianum	reason you ware able to park cause of: carpool membership, purchase, physical disability, is, or another similar reason?	(716) 0(1) fin x => Carpoct 2 = 1 Misimon purchase a = 1 Physical disability x = 1 Ob status s = 1 Other - Specify	(16) o - : No 1 Carpool 2 Minimum putchase 3 Physical disability 4 J Job status 5 Other - Soccuty	(71) 6 1_ Re 1: Carpool 2: Minerum purchase a) ? Physical disability 4. D Job statics 5. Other - Spec.ty.	(716) o [] {lo 1 [] Carpool 2 [] Ministum purchase 3 [] Physical disability 4 [] Job status 5 [] Other - Specify *	(716) o, No n Carpool 2 Minimum purchase n Physical disability 4, Job status s Other - specify	(716) o (No 1 (Carpool 2 Minimum purchase a Physical disability 4 Job status 5 Other - specify

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44c. Was parking free?	(717) o [Yes - skip to 45a NO - How much did (Enter total asservation)	(717) $\alpha \begin{bmatrix} 1 \\ 1 \end{bmatrix}$ YeS - SkiP to 45a NO - How much did NO - How much did (Enter lated ensure)	(11) $\circ \Box$ Yes - SKIP to 45a ND - How much did it cost?	(11) 0 (1) Yes - SKIP to 45a NO - How much 6id Sector 10 cast?	$\begin{array}{c} (11) \\ 0 \\ 0 \\ 0 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10$	(717) 0 [] Yes - skip to 45a NO - How much did It cost?
	(18) 5 (719) x [] Don't know 9] Fee previously reported - skin vo	*	(18) 5 (19) × (1) 5 9 1 1 5	710 5 (719) × □ Don't know a □ Fee previously teported - ski/P to 45a	(18) S Don't know (19) x Don't know reported - skip to	(1) x □ Don't know 1) x □ Don't know a □ Fee prevuely reported - SK/P to 458
d. What time period did the cost of parking cover? (Erner ho number of minutes, nours, days, etc.)	(720) Minute(s) (721) Hour(s)	(720) Minute(s) (721) Houris)	(720) Minute(s) (721) Hour(s)	720 Minuters) Houris	(720) Minute(s) (72) Hour(s)	(720) Minute(s) Houris
(Make only one entry)	(72) Day(s) (73) Week(s)		(722) Day(s) (723) Week(s)	(722) Day(s) (723) Meek(s)	(72) Day(s) (73) Week(s)	(12) Day(s) Meek(s)
	$\frac{724}{725} \times \square \text{ Don't know}$	x 🗌 Don't know	(724)	724) Month(s) X Don't know	(724) Month(s) (725) × 🗔 Bon't know	(728) → Month(s) (725) × Don't know
(45a) Was public transportation, other than taxis, available for the trip within 5, mile from where you started and also from where you were going?	(726) 1 □ Yes 2 □ No x □ Don't know } SKIP 10 47	(726) 1 1 Yes 2 1 No x 1 Don't know } 5KP 10 47	(729) i [] Yes 2 [] No x [] Don't know } 50.47	(220) + □ Yes z □ No x □ Don't know } 5x/P	(220) 1 □ Y es 2 □ No × □ Bon't know } 36/P	(12) 1 _ Yes z _ No x _ Don't know } 5K/P
(b) Was this bus transportation?	(727) 1 🗆 Yes 2 🗋 No - 5KiP to 47	(727) 1 🗔 Yes 2 🗔 No - SKIP 10 47	(11) 1 🗌 Yes 2 🗌 No - SKIP 10 47	727) 1 [] Yes 2 [] No - Skip to 47	(727) 1 [] Yes z [] No - Skip to 47	(72) 1 🗌 Yes 2 🗍 No - Skip to 47
C.)Do you know the bus schedule?	(728) 1 (1 Yes 2 (1 No 2 (1 No 2 (1 Ves 2 (1 Ves 2 (1 Ves 2	(28) 1 [] Yes 2 [] No 2 [] No	$\underbrace{(78)}_{2} \stackrel{i}{\square} \stackrel{Ves}{\square}_{N_0} \right\}_{5KIP} to 47$	728) 1 C Yes 2 No SKIP to 47	(28) 1 [] Yes 2 [] No 2 [] No	T28) 1 C Yes SKIP to 47
(Do not aek for persons under 16 years of age) (46.) If you had driven and not used hublic	(<u>77</u> 9) 1 🗆 Yes	(729) i 🗆 Yes	(729) I 🗆 Yes	729),	(729), 🗆 Yas	(778) . 🗆 Yas
transportation, would parking have been free?	z 🗌 No x 🗍 Don't know	NX	z No x Don't know	Z No X Don't know	z Den't know	x Denit know
47. Where did you go next?	Return to Item 34	Annun in Annun 34 Annun 100 - Ask as	Antum to item 34 Nowhere else - Ask 48	Return to Item 34	Return to Item 34	Go is NTB-4 Item 34 Item 34
Ask only if CBD is marked on map show MAP been recorded above and mark a box in been recorded above and mark a box in EACH tip column.) 48. Was any part of your trip to (destination) within the Central Bost bestrated on this map?	(130) i (1765 2 No 2 No 2 No	(130) i 2 000 t kinow X 0001 t kinow	(30) 1 □ Yes 2 □ □ V × □ Don't know	(130) • □ Yes 2 □ No × □ Don't know	(30) + □ Yes 2 □ 00 × □ □ 00	ZW 1 2 N 2 N 2 N 2 N 2 N 2 N 2 N 2 N 2 N 2 N
]	}	

FORM NTS-2 (11-8-77)

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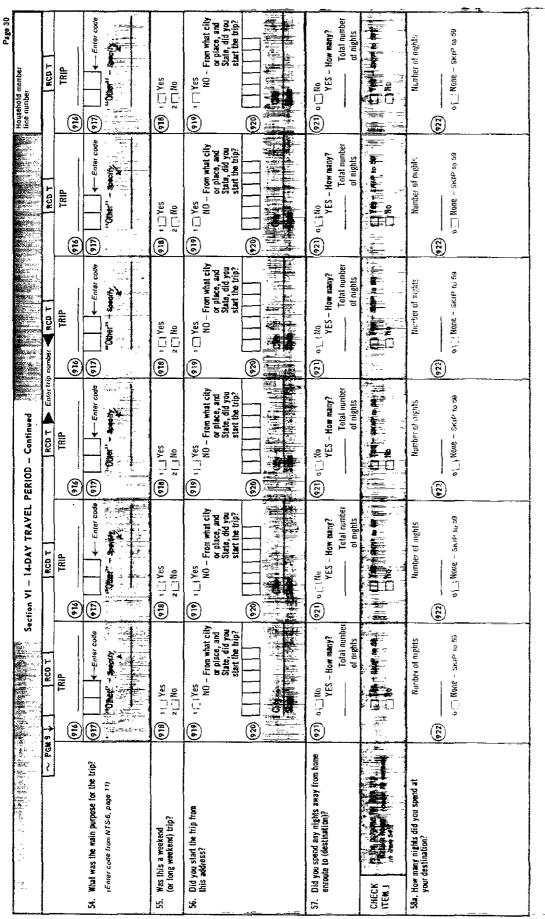
. . . .

	·····	✓ PG¥8 ↓	Page 28
	Section Y - TRAYEL DAY -	- Continued Household member Inc number	
CHECK ITEM G	Was public transportation used on any of these trips? Refer to item 30 for each trip recorded: Is one of the codes 08–13 entered?	[]] Yes []] No - SKIP to 50	
49a, You used pub Any other rea <i>(Mark AL L</i>		 No driver's license Image: No car available Image: Cheaper than auto Image: No parking problems Image: No driving strain Image: Faster than auto Image: Other - Specify 	
b. Could you ha	ve made these trips wilhout using public transportation?	(802) 1 Yes 2 No Section VI	
Any other rea (Mark ALL)	that apply)	 None available 12 Schedule is inconvenient 13 Location is inconvenient 14 Too many transfers 15 Too expensive 16 Takes too long 17 Preferred to use car 18 Need auto for work 19 Had too much to carry 20 Physical and or mental impairment 21 Not familiar with transit system 22 Wasn t traveling far enough 23 Other - Specify 	
INTERVIEW	ren: Enter total number of Travel Day trips reported by this respondent.	(804) Trips	

			Section VI - 14-DAY TRAN Part A - DETAILED REPOR				Household member line number
	СНЕСК ІТЕМ Н	Laty the bat eached in the talent	i of the 14-Day Travel Period?	on B			
	or more from the starting point. The that you may have reported earlier is	INTRODUCTION A any trips of 75 miles or more you may ravel Period). Trips refer to one-way be destination is the farthest point of in the interview that ended during thi so your responses may differ from the	y travel where the destination is 75 i i travel. Do not forget to include tr s period. The questions I am going	miles from ips pr more	rould like to ask you about any trips o	od), Trips refer to one-way travel w	
51	SHOW CALENDAR . Did you take any trips of 75 miles or more (r	one-way distance) that ended during t	his 14-day period?	, i_	iow many trips? e-way) trips - <i>skup to s2</i> n		
	CHECK ITEM I		(Codes 9(riand water and an eff of P241, your need to be an eff of P241, your need to be an effort of the Anti- the Sector of the Anti- the Anti-		
	~ PG1	TRIP	TRIP	TRIP	TRIP	TRIP	TRIP
52	?. What was the destination of your (1st, next, etc.) trip?					(10) (10) (10) (10) (10) (10) (10) (10)	
53	Did anyone else living in this household go on this trip?	(903) 0 □ No others YES - Who?	903 o 🗌 No others	(903) a No others YES - Who?	903 o [] No others YES - Who?	(903) c □ No others YES - Who?	003 0 □ No others YES - Who?
	(List the line numbers of household members who want on the trip.)	Line numbers -	YES - Who? "Line numbers	Line numbers -	Line numbers	Line numbers	Line numbers -
_		(1) (1) (2) (2) (3) (1) (2)	(3) (3) (3) (3) (3) (3) (3) (3) (3) (3)	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	(10) (11) (10) (11) (10) (11) (10) (11) (10) (11) (10) (11) (10) (11) (10) (11) (10) (11) (10) (11) (10) (11) (10) (11) (10) (11) (10) (11) (10) (11) (10) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) <th>(9) (9) (9) (9) (9) (9) (9) (9)</th> <th>10 11 11 11 11 11 11 11 11 11 11 11 11 1</th>	(9) (9) (9) (9) (9) (9) (9) (9)	10 11 11 11 11 11 11 11 11 11 11 11 11 1

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580.	. What type(s) of lodging did you stay in at your destination?	(23) *	■ I With friends or relatives	(23) *	With friends or relatives	(723) *	u ☐ With friends or relatives	2	With friends or relatives.	(23) *	> ☐ With friends or relatives	2 3	With frrends or relatives
	(Mark ALL that apply)		2 Rental accommodation:	5	z 📋 Rental accommodations		z 📺 Rental accommodations		2 🖂 Rental accommodations		z 📺 Rental accommodation	IS	2 📺 Rental accommoda
			3 Own cabin, campsite, vacation home		3 Own cabin, campsite, vacation home		3 Own cabin, campsite, vacation home		₃ 🛄 Own cabin, campsite, vacation home		3 Own cabin, campsite, vacation home		3 📺 Own cabin, camps vacation home
			 Camping in public (gov't) campground 		4 Camping in public (gov't) campground		 Camping in public (gov't) campground 		Camping in public (gov't) campground		 Camping in public (gov't) campground 		Camping in public (gov't) campgroun
			s Camping in commercia campground		s Camping in commercial campground		s Camping in commercial campground		s Camping in commercial campground		s Camping in commercial campground		s 🖂 Camping in comm campground
			6 🔲 Other - Specify		s ⊡ Other Specify		s □ Other - Specify, ▲		s □ Other - specity K		ε ⊡ Other - specity, κ	_	s ∐ Other - Specify ¥
c.	. How many nights did you spend in each type of lodging?	924 925	Number of nights Friends or relatives Rent. accom.	(924) (925)	Number of nights Friends or relatives Rent. accom.	•24 (925)	Number of nights Friends or relatives Rent. accom.	924 925)	Number of nights Friends or relatives 	924 925)	Number of nights ——— Friends or relative: ——— Rent, accom.	5 924 1925	Number of nights Friends or relat Rent, accom.
		926) (927)	Cabin, campsite, vacation home	(926) (927)	Cabin, campsite, vacation home	926	Cabin, campsite, vacation home	2 3	Cabin, campsite, vacation home	2 6	Cabin, campsite, vacation home	926	Cabin, campsite vacation home
		(928)	Camp. in public (gov't) campground	928	Camp. in public (gov't) campground	927) ())	——— Camp, in public (gov't) campground	(27)	—— Camp. in public (gov't) campground	(27) (——— Camp. in public (gov't) campground	1	Camp. in public (gov't) campgrou
		(716) (929)	Camp. in comm. campground Other	929	Camp. in comm. campground Other	(928) (929)	Camp, in comm. campground	(928) (929)	Camp, in comm. campground Other	(928) (929)	Camp. in comm. campground Other	(728) (929)	Camp. in comm. campground Other
	SHOW CALENDAR		Month Date		Month Date		Month Date		Month Date		Month Date	-	Month Date
59.	What day of the month did the trip begin?	(30)		(930)		(930)	(931)			_			
	(Enter in numerals the month and date)		The second se			30		(930) (930)	[93]	(930) 1799 M	<u>(931)</u>	930	(931) .
	INTERVIEWER — Refer to calender and enter the day of the week without asking.		n is 1919 i trans of An is 1919 i transference			1949 (m. 1		3) 1					
60.	What time did the trip begin?	93) 93)	a.m. ∴ p.m. ×⊡ Don't know	(932) (933)	a.m. p.m. × Don't know	932 933	a.m. p.m. × Don't know	()) ()))	a.m. p.m. × Don't know	()32 ()33	a.m. a.m. p.m. × Don't know	(932) (933)	a.ı p.n Don't know
	Do you know the EXACT distance from where you started to (destination)?	•34	o ∐ No YES - How many miles ?	•34	o 🔲 Nc YES— How many miles?	(734)	o 🗇 No YES - How many miles?	934	o 📋 No YES – How many niles?	934	o 📄 No YES – How many miles		o 🔄 No YES – How many m
			Miles SKIP to 62		Miles – SKIP to 62		Miles – SKIP to 62		Niles - SKIP to 62		Miles SKIP to 62		Miles - SKIP to 62
61b.	APPROXIMATELY how many miles was it?	935	,,Hiles	935	Miles	(935)	Miles	•35	Miles	•••	Miles	935	, Miles

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FORM NTS-2 (11-8-77)

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8		1	1		1 2.	1	1			· · · · ·		1	
Fage 32 Household nember line number	2 RCD Y	(130) TRIP	(937) -Enter code	"Other" - specify		(58) 1 Ves 21 No - Skap to 64	Vehicle number			Total number of Letsons	(11)	of T Not a household member Household member - I nne No.	
	2 RCD T	ES CONTRIP	(537)	"Other" - Specify	1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(€38) 1 [_] Yes 2 [_] N0 - SkiP to 64	Vetricle number	(670) af 1 Ni		Total number us persons	(41)	of 7 Not a household member Household member - (942)Line No.	(9.1) 0.1 No YES YES Percent YES 0.1 No YES 0.1 No (9.6) 0.1 0.1 (9.7) 0.1 0.1
	V	936 TRIP	(937) +- Enter code	"Other" - Specify	CT Yes This - skir in ore	(138) ・[_] Yes っして No - skip to 64	Vehicle number	(()) ai i ^{No}	YES - How Rany?	Total number of persons	(41)	af_t Nat a household member Household member - Lune No.	(4.3) 0[] No YES - What YES - What YES - What YES - What What YES - What YES - What Wha
PERIOD - Continued	2 RCD T Enlar trip number	(36) TRIP	(•37) + Enter code	-'Other'' Specify		(♥38) ±{} Yes 2 [] M0 − 5kup to ñd	Vehicte nomber (939)	ט: יאנג	YES - How many?	Total number of persons	(1)	o, 7, Not a household member Household member - Line No.	(4.1) 0 No YES YES Percent YES 0 Haat YES
Section VI - 14-DAY TRAVEL PERIOD	2 RCD T	ese	(33) - Enter code	"Other" - Specify		(938) 1 _ Yes 2 _ No ~ Skift to 64	Vehicle number (939)		YES - How marry?	Total number ví pcrsons	(1)	o <u>i</u> r <i>Not</i> a househould member Household member – (42)Line No.	(4) (4) (4) (4) (4) (4)
		(36) TRIP	(€3) ← Enter code	"Other" Specify		(938) 1 [] Yes 2 [] Nb - Skip 10 64	Vehicle number (939)	¢	YES - How many?	Total number of persons	(m)	e i / Not a househoid member Household member Lune No.	(44) I No
			62. What was the main means of transportation used for the tria? (The means used to	travel the longest distance) (Enter code from NTS-6, page 8)	CHECK IS WHEN IN THE POOL IN THE POOL	63a. Was a household vehicle used?	ASK only it more than I vehicle was reported in ten 14a for this household b. Which vehicle?	64. Were any non-household members in	the vehicle:	65. Total number of persons in the vehicle - INTERVIEWER - Vehity that the sum of	the numbers entered in tiens 23 and 04 pus the respondent is the fotal number of persons that work in the Jelicite.	ASK only if respondent was not alone on the vences 66a. Who was the principal driver for the trip? (The fine who drive for the longest distance)	b. Did anyone share the diving? Femer the fine municular of the nousehold member (s,.)

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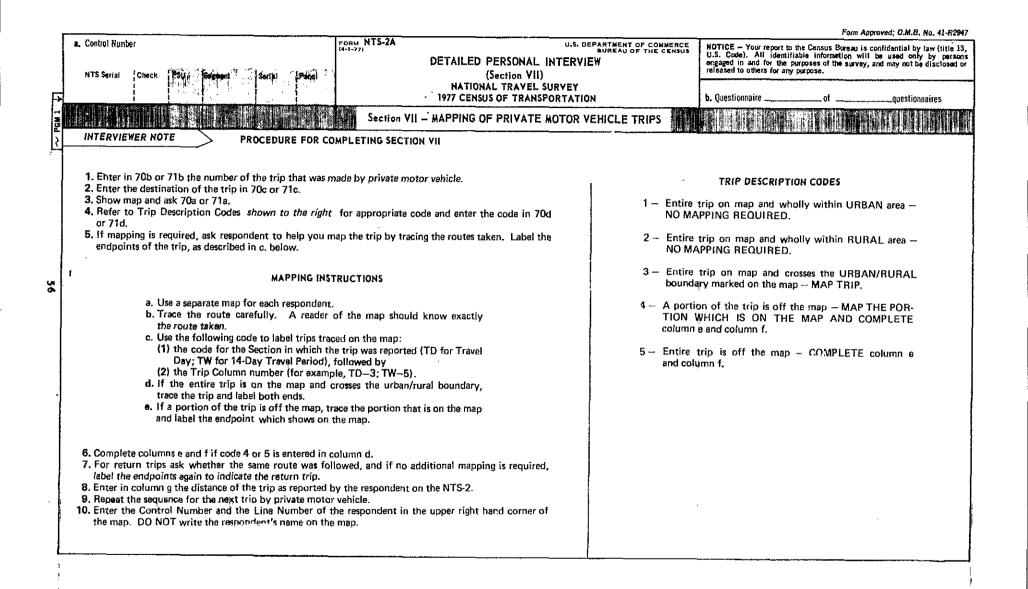
BEAD												A State of the second se
		ow I would like t	to ask you some q	- Now I would like to ask you some questions about each stop you made on yo	top you made on your trip to	our trip to (destination).						
	38	Enter the trip nur Repeat the series	mber in column (a) s of questions for	Part B - 1 Enter the trip number in column (a) trom Trip Column headings in Part A. Repeat the series of questions for each trip.	•	D REPORT O	F STOPS DURIN mn (b) consecutiv	4G 14-DAY rely for eech	ETAILED REPORT OF STOPS DURING 14-DAY TRAVEL PERIOD Number the stops in column (b) consecutively for each trip, from the first st	ETAILED REPORT OF STOPS DURING 14-DAY TRAVEL PERIOD Number the stops in column (b) consecutively for each trip, from the first stop through the destination.		
ŭ	mplete	e columns (a) thi	rough (m) for all to	69. Complete columns (a) through (m) for all trips for which stops were reported in ite	ere reported in item 68.							
Trip No.	Stop No.	What was the main purpose	Approximately how many miles did	In what City or place and State was this?	Were any household members on this part of the trip?	What was the	▼	SK unly if one	ASK unly if one of the codes 01-07 is entered in column (g)	saterad in calumn (g)	ASK only if the stop was for todging	s for todging -
		of the (1st, wat),, stop wat),, stop for our tip to for each tip)? (Enter code from NTS-6, page 11)	of the (Link, you transifier this (Wark,) top part of the trip? Prover trip to part of the trip? for adoin trip? (Enter code (Enter code (For trip?)) (Enter code (For trip?))	(II this information has already been given, verify)	It "Yes," ASK - Wha? It amportation [Enter all time numbers, of the trip? including respondent.) (Enter code toom JTS-6, page 8)		Wes this a house- bold vehicle? If "Yes," ASK - Which one? (Enter the number of the vehicle from 14b and SKIP	H "No," IO (h) ASK Was this a rental vehicle?	Was the driver for this part intenting a household intentiar? '/''Yes,'' ASK - Who? '/''Yes,'' ASK - Who? household member)	part Were any non-household members on this part of the sitp. If "Yes," ASK How many? of (Enter number)	at at at at at a state	For how many nights? (Enter number of nights)
lai	(P)	tc)	(đ)	(e)	£	6	(H)	8	Ø	(K) 	ε	(w)
•	d-s	Code	Miles	City	Line No.	Code	Number			Line No. [Number	er Code Other - Specify	Number
				State	ves →		1 748	1 🗌 Yes 2 🗌 No	Yes	Yes		
				City State	Yes		1 🗍 Yes 2 🗍 No	1 [] Yes 2 [] No	Yes → o[]No	Yes-+		
				City State	Yes - +		1 [] Yes 2 [] No	t Ves 2 No	Yes>	v □ No		
———				City State	Yes>		1 🗍 Yes	- Yes No	Y es> o[] No	Λε Λε Λε		
				City State	Yes - >		2 0 ¥65	1 🗌 Yes 2 🗌 No	γes →	√es ↓		
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· · · ·				City State	Yes>		Yes	z ∐ Yes ⊇ No	γα: Λα: 0 Πιο	Yes→> 0∐No		

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Abic only it the stop was for longing code 19 in column (ci	Ling did For how many so from (Enter number oge 12) of nights)		tr - Specify Number											It more columnes	Continuation Booklel NTS-5
code 19	What type of lodging did you stay in? (Enter code from NTS-8, page 12)	Ξ	Code Other				*** b** b=* t== ==*								
in coloner (g). Were any non-horizahinte	Remotes an initial said Remotes on this said the trip? If dros," ASK ~ How many? If dros," ASK ~ How many?	(k)	Number	Yes-→ o[] Na	Yes—⊁ 0No	2 ℃ Ves→	Yes≯ I a⊡}No	Y es > 0 No	Yes+	Yes —>	Yes→ 0□No	Yes► 0 [, No	Yes →		mber, END INTERVIEW.
If "No." to make the driver for this mat Wes and no	of the trip a household menuber? H "Yes," ASK - Who? (Eride ine number) household member)	(1)	Line No.	Yes► o 🗋 No	Yes →	Yes>	Yes► ¤[_] No	Yes	Yes► o [] Na	Yes>	Yes→ o()No	Yes	Ves>		Yes - Complete section VII, (NTS-2A) 10 Interview next household member. If last household member, END INTERVIEW.
01 NO 10	(i) ASK	Ð		1 🗍 Yes 2 🗍 No	t 📋 Yes 2 🗍 Na	1 🗌 Yes 2 🗌 No	1 TYes 2 No	t 🗍 Yes 2 🗍 No	1 🗍 Yes 2 🗍 No	1 🔲 Yes 2 🛄 No	1 [_] Yes 2 No	t ∐ Yes 2 [] No	1 7 Yes 2 0 No	3 .	section VII, () ext household
Was this a house-	held vehicle? It "Yes," ASK Which one? (Enter the number of the vehicle from 140 and SKIP 10 (1))	(H)	Number	t ⊡ Yes	1 ∐ Yes 2 ∐ Na	i Tyes	1 [] Yes [2 [] No [י [] Yes 2 [] No	₁ [] Yes [2 [] No	1Z	1 [] Yes 2 [] No	1 ∐ Yes 2 ∐ Na	1 TYes	You - Return to Ope	□ Yes - Complete section VII, INTS-24)
means of transmittation	for this part of the trip? (Enter code from NTSS, page 8)	(E)	Code												
on this part of the trip?	rs. ,	(1)	Line No.	Yes	Yes	Yes->	Yes	Yes-+	γes →	Yes +	Yes	Yes>	Ves →		es 01–07)?
and State was this?	iff this information has siready been given, verify)	(e)	City	State	Crty State	City State	City State	City State	City State	City State	City State	City State	City State	Has Part 3 bomp completed for all stops reported in hom 682	Refer to aection V, item 39 and section VI, item 62 - Were ANY trips reported by private motor vehicle (codes 01-07)?
many miles did ou travel for this	part of the trip? (Enter miles)	(R)	Miles											B been completed in	ection V, Item 39 an trips reported by pri
ain purpose the (1 ct	Nart) stop on your trip to on your trip to (read destination for each trip)? from WTS-6, page 71)	(c)	Code											Hax Part	Refer to a
i i i	5 2 5 32	(q)	· }											CHECK ITEM 0	CHECK ITEM P
Ko.		(a)													⁰ =

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								PGH 2	Pagi
Part A -	TRAVEL DAY TRIPS		DTOR YEHICLE					Household m line number	ember .
p	Refer to Section V- i	tem 39, for each t	rip reported for this household member.	F.					
CHECK ITEM Q	Is one of the codes (yehicle) in ANY of t	01-07 entered for the Trip Calumns?	means of transportation (private motor	□ YES - □ NO -				ch trip.	
PEAD - No	- I'm aging to ask you	about the trips v	ou have reported that were made by private motor ve	hicle on Trave	l Day.				
SHOW MAP	w r in going to day you								
D Bloose ala	v me on this map when	e your trip to	began and where it ended.						
(Read in de	stination for each trip.	Refer to item 32	b for first Travel Day trip and to item 47 for all othe	er Travel Day i	trips.)				
	Destination	Trip description code	(Ask only if code 4 or 5 is entered in column	d.) OFFICE USE			SE	(Ask only if code 4 or 5 is entered in column d.) Through what cities and States did you travel? Include the origin and destination of the trip.	Enter distance from NTS-2, item 37
Travel Day trip number			What main routes did you follow to (Allow respondent to refer to Road Atlas	_?] ONLY]					
		d.	•.		Total	Urban	Rural	(Allow respondent to refer to Road Atlas.)	g.
b	C. 1990-1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 -	4.	······································						
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CHECK	Have you asked 70 (codes 01-07) as ro (Be sure to include	eported in NTS-2,	ay trips made by private motor vehicle item 39?	1		o Check n' to 70a			

And and a set of the store	CHECK ITEM S ITEM S Item S Item S Read in de ravel Period b.	Read and the second of the sec		h trip felopried for this household members	L'interview			
More I'm poing to ask you chout the trip you have reported that were made by private motor white during the 14.00x Travel Period. there are an this map where your tip to	READ No 71a. Please shor (Read in de fravel Period trip number	ew l'm going to ask yo w me on this map whe estination for each trip						
In destination for each try. Refer to item 53.) Legan and where it unded. In destination for each try. Refer to item 53.) (Ask only if code 4 or 5 is arrered in column d) Image: the state of the state	71a. Please sho (Read in de Travel Period trip number b.	w me on this map when estination for each trip	ou about the trip.		the 14-Day	Travel Peri		
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Appendix D

NPTS Public Use Tape Request

Single copies of the tapes are available through the Federal Highway Administration. (FHWA).

For governmental agencies and educational institutions, there no charge for tape copying. If no tapes are furnished with the request, there is a \$25 charge for each tape provided by FHWA.

For private individuals and all nongovernment or noneducation organizations, there is a \$36 charge per tape copied. In addition, if no tapes are forewarded with the request, there is an added charge of \$25 for each tape provided by FHWA.

All tapes provided to FHWA should be 9-track.

Appropriate user documentation will be provided with each request.

All orders should be documented on the attached form and should clearly indicate:

- 1. Which (or all) of the four (4) quarters of data that are desired.
- 2. Name and/or title of the individual or organization making the request.
- 3. Number of tapes, if any, included with the request (or being shipped separately).
- 4. Amount of payment enclosed if applicable.

All checks or money orders should be made payable to Federal Highway Administration. Request and payment should be forwarded to:

> Federal Highway Administration Highway Statistics Division HHP-44 (NPTS) 400 Seventh Street, SW Washington, D.C. 20590

NPTS Public Use Tape Request

- Data desired
 Tape 1 First Quarter ()
 Tape 2 Second Quarter ()
 Tape 3 Third Quarter ()
 Tape 4 Fourth Quarter ()
 Tapes 1-4 All Quarters ()
- 2. Number of tapes submitted None (tape payment included) (); 1 tape (); 2 tapes (); 3 tapes (); 4 tapes ()
- Method of tape submittal With order () Under separate cover ()
- 4. Type of tape labeling desire
 Standard IBM labels ()
 No labels ()
- Recording density (9-track) 800 BPI () 1600 BPI ()
- Type of organization, Name and Address
 Educational ()
 Private Organization ()
 Private Individual ()
 Other (specify) ()

Name	··	
Title	<u> </u>	
Organization		
Address		
City, State, Zip		

7. Total fee enclosed

Tape copy on user furnished tape(s),_____quarters @ \$36 per quarter \$_____ Tape copy on FHWA furnished tape(s),____quarters @ \$61 per quarter \$_____

8. Payment enclosed as

Money order ()

Check ()

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