



# California Department of Transportation

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## 2010-2012 California Household Travel Survey Final Report Appendix

*Version 1.0*

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# Appendix A: Advanced Materials

Figure A.1: Advanced Letter - non-GPS – English (sent to both matched and unmatched sample)



**CALIFORNIA**  
Household Travel Survey

Survey sponsored by:



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Si desea participar en español en la Encuesta de Transporte en Hogares de California, llame al 1-877-261-4621.  
[www.ca-travel-survey.com](http://www.ca-travel-survey.com)

John Doe  
5555 Main St  
Anytown, CA 97001

CAL-1234567-ME-NG-1234  
March 12, 2012

**Are you concerned about traffic? Do you need more or better options for getting around?**  
You can help shape the future of transportation in the state by participating in the *California Household Travel Survey*. The results are used to make decisions about how to spend limited transportation funds wisely. Your participation will help improve car, bus and train travel options, as well as air quality.

The survey is sponsored by Caltrans, the California Energy Commission, the California Air Resources Board, and local transportation planning agencies, and is being conducted by NuStats, a professional survey firm. When you participate, your household represents thousands of other households in the state.

The way it works is simple:

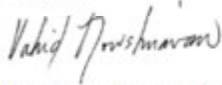
- Step 1** Complete a Household Questionnaire within 10 days of receiving this letter.  
To do this, go to [www.ca-travel-survey.com](http://www.ca-travel-survey.com). Click "Start Here" and enter PIN#: 1234567AB  
Or, call us at 1-877-261-4621, or an interviewer from NuStats will call you in a few days.
- Step 2** Record your travel and activities on an assigned day.  
After you complete Step 1, we will mail a Travel Diary for each person in your household. Each person should carry their Travel Diary for the assigned 24-hour period to record details about their travel and activities. We ask that a parent or guardian complete the diary for anyone under age 16. We will also provide one Long-Distance Travel Log, for your entire household, to record any additional trips made to locations over 50 miles away from your home.
- Step 3** Report your travel information.  
Use your travel diaries and long-distance log to report travel information online, by phone, or by mail.

Households that fully complete Steps 1 & 3 ONLINE for all household members may be eligible to receive \$20.

We take your privacy very seriously. All information collected will be held strictly confidential and used only in combination with information provided from other participating households.

Please visit our survey website, [www.ca-travel-survey.com](http://www.ca-travel-survey.com), for more information. If you have other questions, please call our toll-free survey hotline at 1-877-261-4621.

Thank you in advance for joining us as we plan for the future of transportation in California.


Sincerely,  
  
Vahid Nowshiravan, Project Manager

ME-NG

Survey conducted by NuStats on behalf of Caltrans, the California Energy Commission, the California Air Resources Board, and local transportation planning agencies.



Figure A.2: Advanced Letter - -GPS – English (sent to both matched and unmatched sample)



**CALIFORNIA**  
Household Travel Survey

Survey sponsored by:  
**Caltrans**

Si desea participar en español en la Encuesta de Transporte en Hogares de California, llame al 1-877-261-4621.  
[www.catravelssurvey.com](http://www.catravelssurvey.com)

CAL-1234567-MEG-1234  
March 12, 2012

John Doe  
5555 Main St  
Anytown, CA 97001

**Are you concerned about traffic? Do you need more or better options for getting around?**  
You can help shape the future of transportation in the state by participating in the *California Household Travel Survey*. The results are used to make decisions about how to spend limited transportation funds wisely. Your participation will help improve car, bus and train travel options, as well as air quality.

The survey is sponsored by Caltrans, the California Energy Commission, the California Air Resources Board, and local transportation planning agencies, and is being conducted by NuStats, a professional survey firm. When you participate, your household represents thousands of other households in the state.

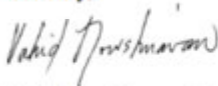
The way it works is simple:

- Step 1** Complete a Household Questionnaire within 10 days of receiving this letter.  
To do this, go to [www.catravelssurvey.com](http://www.catravelssurvey.com). Click "Start Here" and enter PIN#: 1234567AB  
Or, call us at 1-877-261-4621, or an interviewer from NuStats will call you in a few days.
- Step 2** Record your travel and activities on an assigned day.  
After you complete Step 1, we will mail a Travel Diary for each person in your household. Each person should carry their Travel Diary for the assigned 24-hour period to record details about their travel and activities. We ask that a parent or guardian complete the diary for anyone under age 16. We will also provide one Long-Distance Travel Log, for your entire household, to record any additional trips made to locations over 50 miles away from your home.
  - ▶ **GPS Travel Information:** Your household may also be selected to use GPS devices to collect additional travel information. If selected, we will provide either wearable GPS devices for adult household members or GPS devices for use in each of your vehicles. Instructions will be provided.
- Step 3** Report your travel information.  
Use your travel diaries and long-distance log to report travel information online, by phone, or by mail.

Households selected to use GPS devices (wearable or in-vehicle) may be eligible to receive \$25 per device. Some households selected to use the in-vehicle GPS devices may also be asked to use an engine sensor to collect additional vehicle information; these households may be eligible to receive an additional \$15 per vehicle. *\*To be eligible, households must use the GPS devices (and sensors if applicable) as instructed and report travel information for all.*

We take your privacy very seriously. All information collected will be held strictly confidential and used only in combination with information provided from other participating households.

Please visit our survey website, [www.catravelssurvey.com](http://www.catravelssurvey.com), for more information. If you have other questions, please call our toll-free survey hotline at 1-877-261-4621. Thank you in advance for joining us as we plan for the future of transportation in California.

Sincerely,  
  
Vahid Nowshiravan, Project Manager

MEG

Survey conducted by NuStats on behalf of Caltrans, the California Energy Commission, the California Air Resources Board, and local transportation planning agencies.

# Appendix B: Recruitment Questionnaire - CATI

## Acronym Dictionary

DK = Don't Know

RF = Refusal

NA = Not applicable

GTYPE = 1 GPS SAMPLE

GTYPE = 2 Non-GPS SAMPLE

GTYPE = 3 REFUSED or DQ from GPS

GFLAG = 1 Wearable

GFLAG = 2 In-Vehicle

GLFAG=3 In-Vehicle OBD

## Notes:

- Items in ALL CAPS are programmer/interviewer notes or response codes that are not read to the respondent.
- Items appearing in caps with brackets such as [NAME] denote merge fields where the actual information to be read may vary across respondents or other special programming notes.
- Items in upper and lower case (unless otherwise noted) are read to the respondent verbatim.
- The numbering of the choice sets may sometimes not be continuous. This is because we use standard codes for response categories of “other – specify”, don't know, and refused.
- “DK” and “RF” are abbreviations for “Don't Know” and “Refused”. Sometimes these appear together, other times separate, depending on the variable.

Yellow Highlighted Changes are made on 09/13/2012

## 1.0 Introduction

INT01 [IF STYPE<>12] Hi, my name is \_\_\_\_\_ and I'm calling about a travel survey that Caltrans is conducting in <CTFIP> county.

May I speak with an adult age 18 or older?

[IF STYPE=12] May I speak with \_\_\_\_\_ (NAME FROM CARD)?

Hi. Recently, you completed a card indicating you are interested in participating in a travel survey that Caltrans is conducting in your area.

ADULT ON PHONE: We are calling people across California to ask about their travel. Your answers will help Caltrans improve transportation by telling them how and where people travel in your area and around the state. We are asking about all types of travel, including car, bus, train, walk, bicycle and airplane. Your answers are completely confidential and will only be used for research.

DISPO

**CALL OUTCOMES**

PARTIAL COMPLETE REFUSAL	RP
SPANISH PARTIAL COMPLETE	SP
1ST REFUSAL	R1
FINAL REFUSAL	RF
OVER QUOTA	QO
NOT QUALIFIED	QN
(INT01) CALLBACK, HOUSEHOLD	KH
(INT01) CALLBACK, RESPONDENT	KB
(INT01) NEW NUMBER	KN
(INT01) NO ANSWER	NA
(INT01) ANSWERING MACHINE	AM
(INT01) BUSY	BZ
(INT01) CALLER ID	PM
(INT01) SPANISH CALLBACK, HOUSEHOLD	SH
(INT01) SPANISH CALLBACK, RESPONDENT	SB
(INT01) SPANISH NO ANSWER	SN
(INT01) SPANISH ANSWERING MACHINE	SA
(INT01) SPANISH BUSY	SZ
(INT01) BUSINESS/GOVERNMENT	IG
(INT01) LANGUAGE BARRIER, DEAF/TTY	IH
(INT01) LANGUAGE BARRIER, ASIAN LANGAUGE	IA
(INT01) LANGUAGE BARRIER, OTHER LANGUAGE	IL
(INT01) DISCONNECT	ID
(INT01) FAX/MODEM	IM
(INT01) HANG UP	RH
(INT99) COMPLETE	CM
(INT05) REFUSED NUMBER OF HH PERSONS	QP
(INT04) REFUSED NUMBER OF HH VEHICLES	QV
(INT04) REFUSED WKSTAT	QW
(INT06) NO, ELIGIBLE 1ST REFUSAL	R2
(INT01) WILL COMPLETE ONLINE	WC
(INT99) WEB COMPLETE	CW
(INT01) REFUSES TO CONTINUE ON CELL-PHONE	RC
(INT01) CALLBACK ON LANDLINE	KL
REFUSES AT NTVTY	QY
REFUSES AT CNTRY	QT

Ryan-These are not the call outcomes that will show on INT01. These are most of them throughout the program. Please don't report it as an error when don't see all of these on INT01.

CADDR

Before we get started, please verify your address is still [ADDRESS]. [PROGRAMMER NOTE: DISPLAY ADDRESS]

1 YES, THIS IS MY ADDRESS → [SKIP TO [REDACTED] LETTER]

2 NO, THIS IS NOT MY CURRENT ADDRESS → [COLLECT CURRENT PHYSICAL ADDRESS-HADDR]

HADDR           What is your physical address? NO P.O. BOXES ALLOWED  
(HADDR) ADDRESS:  
(HSUIT) SUIT:  
(HCITY) CITY:  
(HSTAT) STATE:  
(HZIP) ZIP CODE:

[REDACTED]

LETTER           [IF ADLTS=1] We recently sent a letter to your home to tell you about this important project for Caltrans. Do you remember receiving the letter?  
  
1    YES  
2    No  
98   DK  
99   RF

PREVIEW (S3)    [IF GTYPE>1] We are doing a very important study about people’s travel patterns and transportation needs. In this study, we will first ask you some basic questions about your household to make certain we have included all types of California households. Everyone who lives in your home will be asked to record their travel and activities on <ASSN> for a 24-hour travel period in a special diary. We will also include a log to record long distance trips. All data will be kept strictly confidential and will be used only for research purposes.

1-CONTINUE

## 2.0     Screener Questions – UNIVERSE: ALL

CKFIP           Do you live in <CTFIP> county?  
  
1-YES-HHSIZ  
2-NO  
8-DK  
9-RF

CTFIP           Which county do you live in?

[REDACTED]  
06001 Alameda  
06003 Alpine  
06005 Amador  
06007 Butte  
06009 Calaveras  
06011 Colusa

06013 Contra Costa  
06015 Del Norte  
06017 El Dorado  
06019 Fresno  
06021 Glenn  
06023 Humboldt  
06025 Imperial  
06027 Inyo  
06029 Kern  
06031 Kings  
06033 Lake  
06035 Lassen  
06037 Los Angeles  
06039 Madera  
06041 Marin  
06043 Mariposa  
06045 Mendocino  
06047 Merced  
06049 Modoc  
06051 Mono  
06053 Monterey  
06055 Napa  
06057 Nevada  
06059 Orange  
06061 Placer  
06063 Plumas  
06065 Riverside  
06067 Sacramento  
06069 San Benito  
06071 San Bernardino  
06073 San Diego  
06075 San Francisco  
06077 San Joaquin  
06079 San Luis Obispo  
06081 San Mateo  
06083 Santa Barbara  
06085 Santa Clara  
06087 Santa Cruz  
06089 Shasta  
06091 Sierra  
06093 Siskiyou  
06095 Solano  
06097 Sonoma  
06099 Stanislaus  
06101 Sutter  
06103 Tehama

06105 Trinity  
06107 Tulare  
06109 Tuolumne  
06111 Ventura  
06113 Yolo  
06115 Yuba  
99997 OTHER → CKFIP\_TERM [NOTE: ALL RESPONDENTS MUST LIVE IN CA]  
99998 DK → [THANK AND TERMINATE]  
99999 RF → [THANK AND TERMINATE]

HHSIZ

Before we begin the survey, we would like to ask you some general information about your household. This information will help us make sure we include all types of households in the state.

How many people, including yourself, live in your home?

**INCLUDE** IN THIS NUMBER FOSTER CHILDREN, ROOMMATES, HOUSEMATES, PEOPLE LIVING HERE MOST OF THE TIME WHILE WORKING, EVEN IF THEY HAVE ANOTHER PLACE TO LIVE.

**DO NOT INCLUDE** COLLEGE STUDENTS LIVING AWAY WHILE ATTENDING COLLEGE OR PEOPLE WHO LIVE AT ANOTHER PLACE MOST OF THE TIME.

**IF NEEDED:** This information will help us to be sure that we include all types of households in your area. [REDACTED]

[REDACTED]  
[REDACTED]  
[REDACTED]

ENTER NUMBER [RANGE 1-15]

98 DK → [THANK AND TERMINATE] DISPO = QP REFUSED # OF HH PEOPLE

99 RF → [THANK AND TERMINATE] DISPO = QP REFUSED # OF HH PEOPLE

INT05

[HHSIZ>97] Without this information, your household will not be eligible to participate in this study. We understand your concerns regarding this question, however transportation planners need to know if there is a relationship between the number of people in a household and the number of trips they make.

PAUSE AND GIVE FINAL OPPORTUNITY FOR RESPONDENT TO ANSWER BEFORE TERMINATING

OK -HHSIZ

QP REFUSED NUMBER OF HH PERSONS-TERMINATE

HHWRK

And of these, how many are employed full-time or part-time in paid working positions?

[RANGE 0-8]

[PROGRAMMER NOTE: SET A TERMINATION ALGORITHM TO TERMINATE 50 %OF ZERO WORKER HOUSEHOLDS]-%50 OF TERMINATIONS WILL GO TO INT 12  
98-DK -INT13  
99-RF -INT13

INT13

We ask for this information because we want to make sure that all types of California households participate in the survey. We certainly understand your reluctance to provide this information, but you can be assured that your information will be held in the strictest of confidence and used for transportation planning purposes only. If you do not feel comfortable providing this information, we will have to end the survey.

**PAUSE AND GIVE FINAL OPPORTUNITY FOR RESPONDENT TO ANSWER BEFORE TERMINATING**

QH-REFUSED # OF HH WORKERS

INT12

(%50 OF HHWRK=0) We certainly appreciate your willingness to participate in the survey. However, at this time, we have a sufficient number of households in our survey sample that are comprised of individuals in this category of workers and household members. Thank you!

QW TERMINATED-NONWORKER

RIBUS

Do you or any members of your household use transit at least once a week?

- 1 YES
- 2 NO
- 8 DK
- 9 RF

AAGE2

Is there at least one person in your household who is between 16 and 75 years of age?

- 1 YES
- 2 NO → [TERMINATE HOUSEHOLD FROM GPS SAMPLE AND USE RANDOM NUMBER GENERATOR TO TERMINATE 2 OUT OF EVERY 3 HOUSEHOLDS [CODE AS QE]
- 8 DON'T KNOW → [TERMINATE HOUSEHOLD FROM GPS SAMPLE]
- 9 REFUSED → [TERMINATE HOUSEHOLD FROM GPS SAMPLE]

INT06 [TERMINATION SCREEN]

We certainly appreciate your willingness to participate in the survey. However, at this time, we have a sufficient number of households in our survey sample that are comprised of individuals in this age category. Thank you!

[CODED AS QE] IF AAGE2<>1 and Random COIN Flip DQs sample

HHVEH How many motor vehicles are owned, leased, or available for regular use by the people who currently live in your household? Please be sure to include motorcycles, mopeds, and RVs.

ENTER NUMBER [RANGE: 0 - 15] (IF>0 AND <98 SKIP TO VEHOP)

98 DK-DISPO = QV REFUSED # OF HH VEHICLES-INT11

99 RF-DISPO = QV REFUSED # OF HH VEHICLES-INT11

HHNOV [IF HHVEH = 0] Can I ask the reasons why you don't/your household doesn't own a motor vehicle?

██████████ SELECT ALL THAT APPLY

- 01 DO NOT NEED A CAR - CAN DO WHAT I NEED AND WANT TO WITHOUT A MOTOR VEHICLE (HHBIC)
- 02 TOO EXPENSIVE TO BUY (HHBIC)
- 03 TOO EXPENSIVE TO MAINTAIN (GAS/INSURANCE/REPAIRS) (HHBIC)
- 04 HEALTH/AGE RELATED REASONS (HHBIC)
- 05 CANNOT GET INSURANCE (HHBIC)
- 06 CONCERNED ABOUT IMPACT ON ENVIRONMENT (HHBIC)
- 07 GET RIDES FROM OTHER PEOPLE (HHBIC)
- 08 NO PLACE TO PARK (HHBIC)
- 09 USE PUBLIC TRANSIT/CAR SHARE/BIKE/WALK - HHBIC
- 10 NO DRIVER'S LICENSE - HHBIC
- 11 CANNOT DRIVE - HHBIC
- 12 OTHER - HHBIC
- 98 DK (HHBIC) - HHBIC
- 99 RF (HHBIC) - HHBIC

VEHOP [IF HHVEH>0] How many of these vehicles are operational and used regularly during the week?

PROGRAMMER CHECK: [HHVEH] < [VEHOP], HAVE ERROR POP UP (Skip to VCHK1)

00 NONE

ENTER NUMBER [RANGE 1- 15]

IF = 0, UPDATE TO GTYPE =3 IF GPS SAMPLE OR SKIP TO HHBIC IF GTYPE = 2

98 DON'T KNOW → THANK AND TERMINATE (INT04)

99 REFUSED → THANK AND TERMINATE (INT04)

VCHK1

ERROR TEXT

I'm sorry, but there seems to be an error: I just recorded that you have <VEHOP:C> working vehicles but earlier you reported having only <HHVEH:C> total vehicles. Which number should we correct?

1 GO BACK TO NUMBER OF HOUSEHOLD VEHICLES QUESTION TO FIX

2 GO BACK TO NUMBER OF OPERATIONAL VEHICLES QUESTION TO FIX

INT11

TERMINATION TEXT:



We're sorry - without knowing the number of vehicles, you are not eligible to be part of this study.

Transportation planners want to know if the number of vehicles in a household is related to the trips people make.

Can you tell me how many vehicles are owned, leased, or available for regular use by the people who currently live in your household??

1- BACK TO VEHICLES QUESTION- SKIPS BACK TO HHVEH  
2- EXIT THE SURVEY- SKIPS OUT AND ENDS.

VEHPR VEHPR AND VEDTE ASKED OF **GPS SAMPLE ONLY IF GTYPE>1, SKIP TO HHBIC**

[IF GFLAG=2 or 3 AND VEHOP>0] Of the vehicles that are operational and used by your household on a regular basis during the week, how many have a working power outlet or cigarette lighter socket? [PROGRAMMER CHECK: [VEHOP] < [VEHPR], HAVE ERROR POP UP (SKIP to VCHK2)]

0 UPDATE GTYPE → 3

ENTER NUMBER [RANGE 1 - 15]

98 DON'T KNOW → UPDATE TO are owned, leased, or available for regular use by the people who currently live in your household? GTYPE = 3

99 REFUSED → UPDATE TO GTYPE = 3

VEDTE [IF GFLAG= 3 AND VEHPR>0] And of these vehicles that have a working power outlet or cigarette lighter socket, how many of them have model years of 1996 or newer ? [PROGRAMMER CHECK: [VEDTE] < OR = [VEHPR], HAVE ERROR POP UP (SKIP to VCHK3)]

0 UPDATE GTYPE → 3

ENTER NUMBER [RANGE 1 - 15] (SKIP TO HHBIC)

98 DON'T KNOW → UPDATE TO GTYPE = 3

99 REFUSED → UPDATE TO GTYPE = 3

VCHK2

ERROR TEXT

I'm sorry, but there seems to be an error: I just recorded that you have <VEHPR:C> working vehicles but earlier you reported having only <VEHOP:C> total operational vehicles. Which number should we correct?

1-GO BACK TO VEHOP TO FIX

2-GO BACK TO VEHPR TO FIX

VCHK3

ERROR TEXT

I'm sorry, but there seems to be an error: I just recorded that you have <VEDTE> vehicles that have working cigarette lighters or power sockets **and** are 1996 or newer, but earlier you

reported having only <VEHPR> vehicles with working cigarette lighters or power sockets.  
Which number should we correct?

- 1-GO BACK TO VEHPR TO FIX
- 2-GO BACK TO VEDTE TO FIX

HHBIC            And how many bicycles in working condition are available to people in your household?

ENTER NUMBER [RANGE: 0 - 15]

98   DK

99   RF

INTXX            Thank you. We asked these questions to help us to make sure we are talking with all types of households. An important part of this study is to understand why, when, and where people travel in California. To do this, we're asking households to write down their travel for a 24-hour period. If you could help us with this study, we'll ask you some more questions about your household today. Then we'll ask for some details about each person in your household so we can print a personal travel diary for each person. We will mail the diaries to you so everyone can record where they went and how they got there for the assigned travel period.

We will also mail you a separate log to record long distance travel.

Everything asked will be used for travel, fuel use and air quality research purposes only and will be held in strict confidence.

- OK-CONTINUE
- R2-REFUSED-TERMINATE

### 3.0    Vehicle Roster

VEHNO            System Variable/VEHICLE NUMBER

CAR                (VEHOP=1)    Now I'd like to get some information about your <VEHOP> operational vehicle.

CARS                (VEHOP>1)    Now I'd like to get some information about each of your <VEHOP> operational vehicles. Let's start with the vehicle that you drive the most.

YEAR                What is the year of this vehicle?

ENTER YEAR OF VEHICLE\_ \_ \_ \_

ENTER RANGE 1930-2013

NOTE: FOUR DIGITS FOR YEAR

9998                DK

9999                RF

MAKE                What is the make or manufacturer of this vehicle? [e.g. **Honda**]

97   OTHER, SPECIFY (O\_MAKE)

98   DK

99   RF

MODLX            What is the model of this vehicle? [e.g. Honda Civic ]  
9997            OTHER, SPECIFY (O\_MODELX)  
9998            DK  
9999            RF

SERIES           What is the series of this vehicle? [e.g. Honda Civic Si]  
999997        OTHER, SPECIFY (O\_SERIES)  
999998        DK  
999999        RF



BODY            What is the body type?  
01    SEDAN  
02    SUV  
03    PICK-UP TRUCK  
04    COUPE  
05    CONVERTIBLE  
06    HATCHBACK  
07    WAGON  
08    MINIVAN  
09    VAN  
10    OTHER KIND OF TRUCK  
11    RECREATIONAL VEHICLE  
12    MOTORCYCLE [PROGRAMMER NOTE: AUTOFILL]  
13    MOPED/SCOOTER (e.g. VESPA)  
97    OTHER, SPECIFY (O\_BODY)  
98    DK  
99    RF

VEHTRN        [IF BODY <12] Is the transmission manual or automatic?  
  
1    AUTOMATIC  
2    MANUAL  
3    BOTH AUTOMATIC AND MANUAL OPTIONS (e.g. Tiptronic)  
8    DON'T KNOW  
9    REFUSED

VEHDRT        [IF BODY = <12] What kind of drive/power train does it have? Is it...  
  
1    Front Wheel Drive  
2    Rear Wheel Drive  
3    Four Wheel Drive (all-wheel drive)

- 7 OTHER, specify (O\_VEHDRT)
- 8 DON'T KNOW
- 9 REFUSED

VEHCYL [IF BODY = 1 – 11] How many cylinders does this vehicle have? Is it a...cylinder?

- 01 TWO
- 02 FOUR
- 03 FIVE
- 04 SIX
- 05 EIGHT
- 06 TEN
- 07 TWELVE
- 97 OTHER, specify (O\_VEHCYL)-Ryan-should specify be upper-cased? I think it should
- 98 DON'T KNOW
- 99 REFUSED

VEHOUT [ IF BODY <12 & GFLAG=3] How close is the nearest electrical outlet to where the vehicle is usually parked when you are at home?

NOTE: RECORD DISTANCE IN FEET

- 9000 NO OUTLET → VEHT
- 9998 DON'T KNOW
- 9999 REFUSED

VEHVLT [ IF BODY <12 & GFLAG=3] Is that a 110 or 220 volt outlet?

- 1 STANDARD 110VOLT (Outlet for small appliances, lamps, etc)
- 2 220 VOLT (Round outlet for large appliances such as washing machines, dryers, refrigerators, etc)
- 8 DON'T KNOW
- 9 REFUSED

VEHT Is this vehicle:

- 1 Hybrid Vehicle → FUELTYPE [PROG: SHOW ALL]
- 2 Gasoline Only Vehicle → FUELTYPE=1
- 3 Diesel Only Vehicle → FUELTYPE [PROG: SHOW ONLY CHOICES 2 & 5]
- 4 Plug In Hybrid Electric Vehicle → FUELTYPE [PROG: SHOW ALL]
- 5 CNG → FUELTYPE=4
- 6 Electric Only → FUELTYPE=3
- 7 OTHER → FUELTYPE [PROG: SHOW ALL]

FUELTYPE What type(s) of fuel does this vehicle use?

READ ALL – SELECT ALL THAT APPLY

- 1 Gasoline
- 2 Diesel
- 3 Electric/Electric Battery
- 4 CNG - Natural Gas
- 5 Biofuel, Ethanol, Biodiesel
- 7 OTHER, SPECIFY (O\_FUELT)
- 8 DK
- 9 RF

CIGLT [IF GTYPE=1 and GFLAG=2 or 3] Does this vehicle have a working power outlet or cigarette lighter?

- 1 YES
- 2 NO
- 8 DK
- 9 RF

VEHAQ Was this vehicle acquired new or used by your household?

- 1 NEW
- 2 USED
- 8 DK
- 9 RF

VEHOWN Is this vehicle owned, leased or borrowed?

- 1 OWNED BY HOUSEHOLD MEMBER
- 2 LEASED BY HOUSEHOLD MEMBER
- 3 OWNED OR LEASED BY EMPLOYER/COMPANY
- 4 OWNED OR LEASED BY PERSON NOT LIVING IN HOUSEHOLD
- 7 OTHER, SPECIFY (O\_VEHOWN)
- 8 DK
- 9 RF

VEHINS

**[GFLAG=3]** Do you have Pay-As-You-Drive auto insurance for this vehicle? Pay-As-You-Drive means that your insurance premium is on a per mile basis directly related to how many miles you drive.

- 1 YES
- 2 NO -GO TO NEXT VEHICLE (IF VEHNO<VEHOP),ELSE VEHNEW
- 8 DK
- 9 RF

VEHOB **[GFLAG=3]** Does this vehicle have any devices provided by your insurance company to detect mileage driven?

- 1 YES [IF GTYPE=1 and GFLAG=3 (OBD SAMPLE), UPDATE TO GFLAG = 2]

- 2 NO
- 8 DK
- 9 RF

PROGRAMMER NOTE: SHOW MATRIX ON SCREEN—SHOW VEH1...ON ONE SCREEN

PROGRAMMER NOTE: ASK VEHNO THROUGH VEHOB D SKIP TO VEHNEW IF HHVEH = 0

PROGRAMMER NOTE: WHEN DONE WITH VEHICLE ROSTER, ASK VEHNEW AND BUYER ONCE OF EACH HH

VEHNEW Do you or does anyone in your household plan on buying or leasing a new or used vehicle within the next five years?

- 1 YES
- 2 NO (SKIP TO RESTY)
- 8 DK (SKIP TO RESTY)
- 9 RF (SKIP TO RESTY)

BUYER Who would be responsible for the purchase or lease of the vehicles you plan to obtain? [NOTE: Or at least half responsible for] [SELECT ALL THAT APPLY.]

[PROGRAMMER NOTE: ONLY ALLOW UP TO 3 SELECTIONS]

- 01 SELF/RESPONDENT
- 02 SPOUSE/PARTNER
- 03 CHILD/DAUGHTER/SON/ADOPTED CHILD/STEPCHILD/SON-IN-LAW/DAUGHTER-IN-LAW
- 08 OTHER RELATIVES
- 09 NO RELATION/HOUSEMATE/ROOMMATE/FOSTER CHILD
- 99 RF

#### 4.0 Household Roster, Part 1

RESTY Which one of the following best describes your home?

- 01 Single family house not attached to any other house
- 02 Single family house attached to one or more houses (townhouse, duplex, triplex) each with separate entry
- 03 A mobile home
- 04 Building with 2-4 apartments/ condos / studios /rooms
- 05 Building with 5-19 apartments/ condos / studios / rooms
- 06 Building with 20 or more apartments/ condos / studios / rooms [NOTE TO INTERVIEWERS: includes dorms, etc.]
- 07 Boat, RV, Van, etc.
- 97 Other specify: (O\_RESTY)
- 98 DK

99 RF

OWN

Is your home owned or rented?

1 OWN/BUYING (Paying off Mortgage)

2 RENT

7 OTHER, SPECIFY (O\_OWN)

8 DK

9 RF

TEN

How many years have you lived at your current residence?

ENTER NUMBER [RANGE: 1-97] [NOTE: IF LESS THAN 1, ENTER 1]

98 DK

99 RF

PREVADDR

[IF TEN < 6] What is the address of your previous residence?

(PREVADDR) ADDRESS:

(PREVSUIT) SUIT:

(PREVCITY) CITY:

(PREVSTAT) STATE:

(PREVZIP) ZIP:

IF THEY DON'T KNOW THEIR PREVIOUS ADDRESS OR PREFER NOT TO ANSWER, YOU CAN LEAVE ANY OF THE ABOVE QUESTIONS BLANK.

CPLNS

Since this is a telephone survey, I have some questions about the telephones in your household. How many cell telephone numbers do people in your household have?

ENTER NUMBER [RANGE: 0 -15]

98 DK

99 RF

PHLNS

Not counting the cell phones, how many home telephone numbers does your household have? This includes only land-lines, internet lines or those hard wired to your house but excludes cell phones.

ENTER NUMBER [RANGE: 0 -15]

98 DK

99 RF

## 5.0 Person Roster

FNAME

[IF HHSIZ=1] Now we'll ask you to answer a few questions about you.

Earlier you said there is <PRNHSIZ> in your household.

[IF HHSIZ>1] Now we'll ask you to answer a few questions about each household member, including yourself.

Earlier you said there are <PRNHSIZ> in your household.

Let's begin with you.

[IF ONLY 2 PERSONS IN THE HOUSEHOLD ASK: What is your first name? THEN ASK: What is the other person's first name?]

ENTER NAME

What is the name of the next oldest person in the household? [IF RELUCTANT] Initials are okay at this point.

[REDACTED]

[REDACTED]

LNAME What last name should we use for your household when mailing the materials?

[REDACTED]

GEND INTERVIEWER NOTE: DO NOT ASK REFERENCE PERSON ABOUT HIS/HER GENDER

What is your/FNAME's gender?

- 1 MALE
- 2 FEMALE
- 9 RF

RELAT What is this person's relationship to you? [NOTE: NOT ASKED OF RESPONDENT-Auto-do-this]

- 01 SELF
- 02 SPOUSE/PARTNER
- 03 CHILD/DAUGHTER/SON/ADOPTED CHILD/STEPCHILD/SON-IN-LAW/DAUGHTER-IN-LAW
- 04 PARENT/PARENT-IN-LAW/STEP-PARENT
- 05 BROTHER OR SISTER (STEPBROTHER/STEPSISTER)
- 06 GRANDPARENT
- 07 GRANDCHILD
- 08 OTHER RELATIVE, SPECIFY (O\_RELAT)
- 09 NO RELATION/HOUSEMATE/ROOMMATE/FOSTER CHILD
- 99 RF

AGE What is your/this person's age?

ENTER NUMBER [RANGE: 1-98]



NOTE: IF LESS THAN 1 YR, ENTER 1 (SKIP TO HISP)-RYAN-THIS DOESN'T MAKE SENSE TO ME. HOW CAN THEY ENTER LESS THAN 1 YEAR IF THE RANGE IS 1-98?

IF GREATER THAN 99, ENTER 99

998 DK

999 RF

AGEB

I understand your reluctance to provide your/this person's age. However, age is a very important factor. As we age, our travel needs and patterns change dramatically. Can you tell me if [you/he/she] is between 16 and 75?

1 Younger than 16 or over 75

2 Between 16 and 75 [TREAT AS ADULT]

8 DK

9 RF

HISP

Are you/is this person of Hispanic, Latino or Spanish origin?

1 YES

2 NO

8 DK

9 RF

RACE

What is your/this person's ethnicity?

SELECT ALL THAT APPLY

01 White

02 Black or African American

03 American Indian or Alaska Native

04 Asian (Asian Indian, Japanese, Chinese, Korean, Filipino, Vietnamese)

05 Native Hawaiian or Pacific Islander (Guamanian, Samoan, Fijian)

97 Other: Specify (O\_RACE)

98 DK

99 RF

NTVTY

Were you/was this person born in the United States?

[IF NEEDED: People who were born in other countries where there are other bus or rail train choices have been found to continue to use transit more often. This information is only for planning purposes and will not be shared with any other government agency. If you are uncomfortable with this question, we can skip it.]

1 Yes (SKIP TO LIC)

2 No

98 DK

99 RF

0-REFUSES TO CONTINUE SURVEY

[PROGRAMMER NOTE: IF REFUSES TO CONTINUE SURVEY, DISPO = QY REFUSED NTVTY]

CNTRY What year did you/this person move to the United States?

[IF NEEDED]: Other studies have found that people who have recently moved to the United States often have different transportation choices; for example, they tend to use buses and trains more often. This information is only for planning purposes and will not be shared with any other government agency. If you are uncomfortable with this question, we can skip it.]

ENTER YEAR (Approximation ok)\_ \_ \_ \_

9998 DK

9999 RF

0000 REFUSES TO CONTINUE SURVEY

[PROGRAMMER NOTE: IF REFUSES TO CONTINUE SURVEY, DISPO = QT REFUSED CNTRY]

LIC [IF AGE >15 AND AGEB <> 1] Do you/does this person have a valid driver's license?

1 YES

2 NO [SKIP TO TRANS]

8 DK [SKIP TO TRANS]

9 RF [SKIP TO TRANS]

[PROGRAMMER'S NOTE: USER, TRANS, TPTYP, PASSTL, AND FLEX ONLY ASKED IF AGE >15 AND AGEB <> 1]

USER [IF AGE >15 AND AGEB <> 1 AND VEHOP >0 AND LIC =1] Which vehicle is driven most by [you/this person]?

[PROGRAMMER NOTE: Recall list of reported vehicles from vehicle roster]

98 DK

99 RF

TRANS Do you/does this person have a transit pass?

1 YES

2 NO (SKIP TO PASSTL)

8 DK

9 RF

TPTYP What types of passes do you/does this person have?

SELECT ALL THAT APPLY

01 Bay Area Clipper Card →CLIP

02 San Diego Compass Card →COMP

03 TAP Card or EZ transit Pass →MET

04 Other local bus pass

05 Other Express / Commuter bus pass

06 Other Light Rail / Subway / Train / Streetcar pass

07 Dial-a-ride / Paratransit pass

08 Ferry / Boat pass

- 97 OTHER, SPECIFY (O\_TPTYP)
- 98 DK
- 99 RF

CLIP

[IF TPTYP=1] What type of Clipper Card?

**SELECT ALL THAT APPLY**

- 01 CASH VALUE
- 02 AC TRANSIT – ADULT 31-DAY LOCAL PASS
- 03 AC TRANSIT – ADULT 31-DAY TRANSBAY PASS
- 04 AC TRANSIT – SENIOR/RTC LOCAL MONTHLY PASS
- 05 AC TRANSIT – YOUTH 31-DAY LOCAL PASS
- 06 BART - \$48 HIGH VALUE DISCOUNT
- 07 BART - \$64 HIGH VALUE DISCOUNT CARD
- 08 CALTRAIN – ADULT MONTHLY PASS
- 09 CALTRAIN – ADULT MONTHLY AND MUNI PASS
- 10 CALTRAIN – ADULT 8-RIDE TICKET
- 11 CALTRAIN – ELIGIBLE DISCOUNT MONTHLY PASS
- 12 CALTRAIN – ELIGIBLE DISCOUNT 8-RIDE TICKET
- 13 SF MUNI – ADULT MUNI/BART “A” FAST PASS
- 14 SF MUNI - ADULT MUNI ONLY “M” MONTHLY PASS
- 15 SF MUNI – ADULT 10-RIDE BOOK
- 16 SF MUNI – SENIOR MONTHLY PASS
- 17 SF MUNI – DISABLED MONTHLY PASS
- 18 SF MUNI – YOUTH MONTHLY PASS
- 19 SAMTRANS – ADULT LOCAL MONTHLY PASS
- 20 SAMTRANS – ADULT LOCAL/SF MONTHLY PASS
- 21 SAMTRANS – ADULT EXPRESS MONTHLY PASS
- 22 SAMTRANS – ELIGIBLE DISCOUNT MONTHLY PASS

- 23 SAMTRANS – YOUTH MONTHLY PASS
- 24 VTA – ADULT MONTHLY PASS
- 25 VTA – EXPRESS ADULT MONTHLY PASS
- 26 VTA – SENIOR/RTC MONTHLY PASS
- 27 VTA – YOUTH MONTHLY PASS
- 98 DON'T KNOW
- 99 REFUSED

COMP [IF TPTYP=2] What type of Compass Card is that?

- 01 REGIONAL MONTHLY PASS - ADULT
- 02 REGIONAL MONTHLY PASS - YOUTH
- 03 REGIONAL MONTHLY PASS – SENIOR/DISABLED/MEDICARE
- 04 PREMIUM EXPRESS MONTHLY PASS – ADULT
- 05 PREMIUM EXPRESS MONTHLY PASS – YOUTH
- 06 PREMIUM EXPRESS MONTHLY PASS – SENIOR/DISABLED/MEDICARE
- 07 COASTER 1 ZONE MONTHLY PASS
- 08 COASTER 2 ZONE MONTHLY PASS
- 09 COASTER 3 ZONE MONTHLY PASS
- 10 COASTER MONTHLY PASS – YOUTH
- 11 COASTER MONTHLY PASS – SENIOR/DISABLED/MEDICARE
- 12 SPRINTER/BREEZE MONTHLY PASS
- 98 DON'T KNOW
- 99 REFUSED

MET [IF TPTYP=03] What type of TAP Card or EZ transit Pass?

- 01 30-DAY PASS
- 02 7-DAY PASS
- 03 EZ TRANSIT PASS
- 04 FREEWAY EXPRESS STAMP

05 TAP STORED VALUE

98 DONT KNOW

99 REFUSED

PASSTL Do you/does this person have a toll road, HOT lane or toll bridge pass or account?

1 YES

2 NO

8 DK

9 RF

FLEX [IF AGE > 15 AND AGEB <>1] Do you/this person have a Zipcar, CityCarShare or other type of car sharing membership?

1 YES

2 NO

8 DK

9 RF

EMPLY [IF AGE > 15 AND AGEB <>1] Are you/is this person employed, either full-time or part-time?

1 YES (SKIP TO JOBS)

2 NO

8 DK

9 RF

WKSTAT Which of the following best describes your/this person's status?

01 Retired (SKIP TO DISAB)

02 Disabled/On Disability Status (SKIP TO DISAB)

03 Homemaker (SKIP TO DISAB)

04 Unemployed but looking for work (SKIP TO DISAB)

05 Unemployed and not looking for work, or (SKIP TO DISAB)

06 Student (SKIP TO DISAB)

07 Volunteer (SKIP TO DISAB)

97 OTHER, SPECIFY (O\_WKSTAT) (SKIP TO DISAB)

98 DK

99 RF

[IF WKSTAT = 98 OR 99] Work status helps determine when and where people travel. It is critical information for transportation planners.

OK->WILL PROVIDE-WKSTAT

QK->WILL NOT PROVIDE-TERMINATE

JOBS How many jobs do/does you/this person have? Please include all paid positions that you/he/she work(s) on a regular basis.

ENTER NUMBER: RANGE 1-5

98 DK

99 RF

WLOC ██████████ Let's talk about your/this person's primary job. Is [his/her/your] primary work address fixed, is it your home, or does it vary from day to day or week to week? (IF NEEDED: This is the work location where the respondent spends the most time.)

1 Fixed

2 Home →WDAYS

3 No fixed workplace, varies (e.g. construction)

8 DK

9 RF

WNAME What is the name of your/<FNAME>'s primary employer?

CWADD Do you know the exact street address or only the nearest cross streets?

1 COMPLETE STREET ADDRESS KNOWN

2 CROSS STREETS KNOWN (SKIP TO WXSTR1)

WADDR [IF WLOC=1 AND CWADD=1] What is the address of this primary job.

[IF WLOC=3 AND CWADD=1] What is the address of the most recent primary work location?

<WADDR> ADDRESS:

<WSUIT> SUIT:

INTERVIEWER NOTE: NEED FULL STREET ADDRESS. CONFIRM SPELLING AND PROBE FOR STREET EXTENSIONS.

WXSTR1- WXSTR2

[IF WLOC=1 AND CWADD=2]What are the nearest cross streets to this primary job.

[IF WLOC=3 AND CWADD=2] What are the nearest cross streets of the most recent primary work location?

WXSTR1:

WXSTR2:

<WCITY> CITY:

<WSTAT> STATE:

<WZIP> ZIP:

WDAYS How many days a week do/does you/this person typically go to work at this location?  
[IF NEEDED: Transportation planners want to know when people are likely to be travelling on the roads or using buses or trains. ]

ENTER NUMBER: RANGE 1 TO 7

- 8 DK
- 9 RF

WDAY What days of the week do/does you/this person typically work at this primary job?

SELECT ALL THAT APPLY

- 08 MONDAY - FRIDAY
- 01 MONDAY
- 02 TUESDAY
- 03 WEDNESDAY
- 04 THURSDAY
- 05 FRIDAY
- 06 SATURDAY
- 07 SUNDAY
- 98 DK
- 99 RF

HOURS How many hours per week do you/does this person typically work at this primary job?

ENTER NUMBER: [RANGE: 1- 150]

- 998 DK
- 999 RF

WSCHED Which of the following statements best describes your/this person's work schedule:

- 1 I have no flexibility in my work schedule.
- 2 I have some flexibility in my work schedule.
- 3 I'm free to adjust my schedule as I like.
- 8 DK (SKIP to WMODE)
- 9 RF (SKIP to WMODE)

COMPR Does your/this person's primary employer offer alternative work schedule options such as a compressed work week? (IF NEEDED: A compressed work week is working 40 hours in less than 5 days.)

- 1 YES
- 2 NO
- 8 DK
- 9 RF

WMODE [SKIP IF WLOC=2] How do/does you/this person normally get to this primary job? [IF NEEDED: That is, the method of travel used for the longest distance.]

NON-MOTORIZED TRAVEL:

- 01 WALK
- 02 BIKE
- 03 WHEELCHAIR / MOBILITY SCOOTER
- 04 OTHER NON-MOTORIZED (Skateboard, etc.)

PRIVATE VEHICLE:

- 05 AUTO / VAN / TRUCK DRIVER
- 06 AUTO / VAN / TRUCK PASSENGER
- 07 CARPOOL / VANPOOL
- 08 MOTORCYCLE / SCOOTER / MOPED

PRIVATE TRANSIT:

- 09 TAXI / HIRED CAR / LIMO
- 10 RENTAL CAR / VEHICLE
- 11 PRIVATE SHUTTLE (SuperShuttle, employer, hotel, etc.)
- 12 GREYHOUND BUS
- 13 AIRPLANE
- 14 OTHER PRIVATE TRANSIT

PUBLIC TRANSIT:

BUS:

- 15 LOCAL BUS / RAPID BUS
- 16 EXPRESS BUS / COMMUTER BUS (AC Transbay, Golden Gate Transit, etc.)
- 17 PREMIUM BUS (Metro Orange / Silver Line)
- 18 SCHOOL BUS
- 19 PUBLIC TRANSIT SHUTTLE (DASH, Emery Go-Round, etc.)
- 20 AIRBART / LAX FLYAWAY
- 21 DIAL-A-RIDE / ParaTransit (Access Services, etc.)
- 22 AMTRAK BUS

OTHER BUS RAIL/SUBWAY:

- 23 BART, METRO RED / PURPLE LINE
- 24 ACE, AMTRAK, CALTRAIN, COASTER, METROLINK
- 25 METRO BLUE / GREEN / GOLD LINE, MUNI METRO, SACRAMENTO LIGHT RAIL, SAN DIEGO SPRINTER / TROLLEY / ORANGE/BLUE/GREEN, VTA LIGHT RAIL
- 26 STREET CAR / CABLE CAR
- 27 OTHER RAIL

FERRY:

- 28 FERRY / BOAT

INDUS XXXXXXXXXX What type of business or company do you work for in your [his/her/your] primary job?

**[DO NOT READ LIST]**

- 11 AGRICULTURE, FARMING, FORESTRY, FISHING, HUNTING
- 21 MINING, QUARRYING, OIL OR GAS DRILLING COMPANY
- 22 UTILITY COMPANY, SEWAGE TREATMENT FACILITY, UTILITIES IN GENERAL
- 23 CONSTRUCTION



- 31 MANUFACTURING, INCLUDING BAKERY, FOOD PROCESSOR, MILL, MANUFACTURER, MACHINE SHOP, MEDICAL BIOTECHNOLOGY
- 42 WHOLESALE TRADE
- 44 RETAIL TRADE, INCLUDING STORE, SHOP, DEALER (E.G. AUTO DEALER)
- 48 TRANSPORTATION, BUS OR TRAIN COMPANY, AIRLINE, POSTAL SERVICE, WAREHOUSE OR STORAGE
- 51 INFORMATION, INCLUDING PUBLISHER, PHONE COMPANY, MOVIE COMPANY, INTERNET COMPANY, LIBRARY, DATA PROCESSING, COMPUTER COMPANY
- 52 FINANCE AND INSURANCE, SUCH AS BANK, INSURANCE COMPANY, CREDIT UNION, FINANCE COMPANY
- 53 REAL ESTATE COMPANY, ANY RENTAL OR LEASING COMPANY INCLUDING AUTO OR VIDEO RENTAL
- 54 PROFESSIONAL, SCIENTIFIC OR TECHNICAL SERVICES, INCLUDING LAW, ACCOUNTING, DESIGN, ENGINEERING, CONSULTING, OR ADVERTISING, FIRM OR COMPANY, AND VETERINARY SERVICES
- 55 MANAGEMENT OF COMPANIES AND ENTERPRISES
- 56 ADMINISTRATIVE SUPPORT, INCLUDING EMPLOYMENT AGENCY, TRAVEL AGENCY, SECURITY GUARD COMPANY, WASTE MANAGEMENT (TRASH) COMPANY, REMEDIATION SERVICES
- 61 EDUCATIONAL SERVICES, INCLUDING SCHOOL, UNIVERSITY, TRAINING SCHOOL
- 62 HEALTH CARE AND SOCIAL ASSISTANCE, INCLUDING HOSPITAL, DOCTORS OFFICE, ASSISTED LIVING HOME, DAY CARE CENTER
- 71 ARTS, ENTERTAINMENT AND RECREATION, INCLUDING ART GALLERY, MUSEUM, THEATRE, BOWLING ALLEY, CASINO
- 72 ACCOMODATION OR FOOD SERVICES, INCLUDING HOTEL, RESTAURANT
- 81 OTHER SERVICES (EXCEPT PUBLIC ADMINISTRATION), SUCH AS AUTO REPAIR, HAIR OR NAIL SALON, BARBER SHOP, FUNERAL HOME, LABOR UNION, RELIGIOUS ORGANIZATIONS, CIVIC OR SOCIAL ORGANIZATIONS
- 92 PUBLIC ADMINISTRATION, SUCH AS GOVERNMENT AGENCY, CITY OR COUNTY DEPARTMENT, MILITARY
- 97 OTHER: [SPECIFY] (O\_INDUS)
- 98 DK
- 99 RF

OCCUP XXXXXXXXXX What kind of work [do you/does he or she] do at that company/business?

- 11 MANAGEMENT OCCUPATIONS, SUCH AS PRESIDENT, CEO, MANGER, DIRECTOR (IN ALL FIELDS)
- 13 BUSINESS AND FINANCIAL OPERATIONS OCCUPATIONS, SUCH AS MANGEMENT ANALYST, RESEARCH ANALYST, AGENT, ACCOUNTANT
- 15 COMPUTER AND MATHEMATICAL OCCUPATIONS, SUCH AS COMPUTER PROGRAMMER, WEB DEVELOPER, STATISTICIAN
- 17 ARCHITECTURE AND ENGINEERING OCCUPATIONS, SUCH AS ARCHTTECT, ENGINEER, DRAFTER, SURVEYOR
- 19 LIFE, PHYSICAL AND SOCIAL SCIENCE OCCUPATIONS, SUCH AS SCIENTIST, SURVEY RESEARCHER, PSYCHOLOGIST, SCIENCE TECHNICIAN

- 21 COMMUNITY AND SOCIAL SERVICE OCCUPATIONS, SUCH AS COUNSELOR, CLERGY, SOCIAL WORKER, PROBATION OFFICER
- 23 LEGAL OCCUPATIONS, SUCH AS LAWYER, LAW CLERK, PARALEGAL
- 25 EDUCATION, TRAINING AND LIBRARY OCCUPATIONS , SUCH AS TEACHER, COLLEGE PROFESSOR, LIBRARIAN, TEACHER ASSISTANT
- 27 ARTS, DESIGN, ENTERTAINMENT, SPORTS AND MEDIA OCCUPATIONS, SUCH AS PROFESSIONAL ATHLETE, WRITER, CAMERA OPERATOR
- 29 HEALTHCARE PRACTITIONERS AND TECHNICAL OCCUPATIONS, INCLUDING MD, RN, LVN, DENTIST, VETERNARIAN, LICENSED TECHNICIAN, THERAPIST
- 31 HEALTHCARE SUPPORT OCCUPATIONS, SUCH AS HEALTH AIDE, NURSING ASSISTANT, MASSAGE THERAPIST
- 33 PROTECTIVE SERVICE OCCUPATIONS, SUCH AS CORRECTIONAL OFFICER, POLICE OFFICER, FIREFIGHTER, SECURITY GUARD, CROSSING GUARD, SECURITY SCREENER, LIFEGUARD
- 35 FOOD PREPARATION AND SERVING RELATED OCCUPATIONS, SUCH AS COOK, WAITER/WAITRESS, BARTENDER, FOOD SERVER, DISHWASHER
- 37 BUILDING AND GROUNDS CLEANING AND MAINTENANCE OCCUPATIONS, SUCH AS JANITOR, MAID, HOUSEKEEPER, GARDENER
- 39 PERSONAL CARE AND SERVICE OCCUPATIONS, SUCH AS HAIRDRESSER, TOUR GUIDE, CHILDCARE WORKER, CARD DEALER
- 41 SALES AND RELATED OCCUPATIONS, SUCH AS CASHIER, SALES CLERK, SALES AGENT, REAL ESTATE BROKER
- 43 OFFICE AND ADMINISTRATIVE SUPPORT OCCUPATIONS, SUCH AS BANK TELLER, OFFICE CLERK, ACCOUNT CLERK, POSTAL SERVICE CLERK, DATE ENTRY CLERK, SECRETARY, ADMINISTRATIVE ASSSISTANT
- 45 FARMING, FISHING, AND FORESTRY OCCUPATIONS, INCLUDING FARMER, FIELD WORKER, ANIMAL TRAINER/BREEDER
- 47 CONSTRUCTION AND EXTRACTION OCCUPATIONS, INCLUDING ELECTRICIAN, CARPENTER, PAINTER, CONSTRUCTION EQUIPMENMT OPERATOR, MINER, DRILLER, EXPLOSIVES WORKER, ETC.
- 49 INSTALLATION, MAINTENANCE, AND REPAIR OCCUPATIONS, SUCH AS REPAIRER, MECHANIC, EQUIPMENT INSTALLER
- 51 PRODUCTION OCCUPATIONS SUCH AS ASSEMBLER, BAKER, MACHINIST, LAB TECHNICIAN (MEDICAL, DENTAL AND OPHTHALMIC), JEWELER
- 53 TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS SUCH AS BUS OR TAXI DRIVER, TRUCK DRIVER, CRANE OPERATOR, SHIP LOADER
- 55 MILITARY SPECIFIC OCCUPATIONS
- 97 OTHER: [SPECIFY] (O\_OCCUP)
- 98 DK
- 99 RF

WLOC2

[IF EMPLY=1 AND JOBS>1] Now let's talk about your/this person's secondary job. Is [his/her/your] secondary work address fixed, is it your home, or does it vary from day to day or week to week? (IF NEEDED: This is the work location where the respondent spends the second most time.)

- 1 FIXED
- 2 HOME-WDAYS2
- 3 VARIES
- 8 DK

9 RF

WNAME2 [ASK IF JOBS>1] What is the name of your/this person's secondary employer?

CWADD2 [IF WLOC<>2] Do you know the exact street address or only the nearest cross streets?

- 1 FULL ADDRESS KNOWN
- 2 CROSS STREETS ONLY (SKIP TO W2XSTR)
- 8 DK –
- 9 RF –

WADDR2 [IF WLOC=1] What is the address of this job?

[IF WLOC=3] What is the address of the most recent secondary work location?

<WADDR2> ADDRESS:

<WSUIT2> SUIT:

<WCITY2> CITY:

<WSTAT2> STATE:

<WZIP2> ZIP CODE:

WXSTR3-WXSTR4 What are the nearest cross streets to this secondary job.

WXTR3:

WXTR4:

WDAYS2 How many days a week do/does you/this person typically go to work at this address?

[ANSWER 1 TO 7]

8 DK

9 RF

DISAB Do/Does you/this person have a temporary or permanent physical condition or disability that makes it difficult to travel outside of the home?

1 YES

2 NO (SKIP TO TTRIP)

8 DK (SKIP TO TTRIP)

9 RF (SKIP TO TTRIP)

DTYPE Can you tell me which of the following conditions you/this person has: READ LIST:  
MARK ALL THAT APPLY

[PROGRAMMER NOTE: ONLY ALLOW UP TO 5 SELECTIONS]

- 1 Hearing impaired/deaf (serious difficulty hearing)
- 2 Sight impaired/blind (includes serious difficulty seeing even when wearing glasses)
- 3 [AGE>4 or AGE=DK/RF] Cognitive impaired, such as serious difficulty concentrating, remembering or making decisions

- 4 [AGE>4 or AGE=DK/RF] Balance or respiratory impairment, such as difficulty walking or climbing stairs without difficulty
- 5 [AGE>4 or AGE=DK/RF] Difficulty dressing or bathing
- 6 [AGE>14 or AGE=DK/RF] Difficulty doing errands alone, such as visiting a doctor's office or shopping
- 7 Other condition that makes it difficult to travel outside your home
- 8 DK
- 9 RF



DSLIC [ASK IF AGE>15 OR IF AGEB<>1]: Do you/Does this person have a California Disabled Person's License Plate or Placard, or a Disabled Veteran's License Plate?

- 1 YES
- 2 NO
- 8 DK
- 9 RF

EDIS Are/Is you/this person a registered user of special transit services for elderly or disabled (dial-a-ride)?

- 1 YES
- 2 NO
- 8 DK
- 9 RF

TTRIP How many one-way trips (any) using transit did [you/this person] make in the past week? A round trip counts as two one-way trips.

ENTER NUMBER [RANGE: 0 - 50]

- 98 DK
- 99 RF

TRNSUB

[IF TTRIP >0] Does your/this person's employer or school pay for all or any part of [your/this person's] transit fare?

- 1 YES
- 2 NO → WTRIP
- 8 DK → WTRIP
- 9 RF → WTRIP

SUBAMT

What is the dollar amount of what they pay for/subsidize?

ENTER DOLLAR AMOUNT: \_ \_ \_ \_ . \_ \_

[PROGRAMMER: ALLOW 2 DECIMAL PLACES]

- 98 DK
- 99 RF

SUBUNT: [IF TTRIPS >0 and TRNSUB=1] And this is . . .

- 1 Per Hour
- 2 Per Day
- 3 Per Week
- 4 Per Month
- 5 Per Semester/Quarter
- 6 Per Year
- 7 Per Trip Use
- 8 DK
- 9 RF

WTRIP In **the past week**, how many times did you/this person take a walk outside including walking the dog and walks for exercise?

ENTER NUMBER [RANGE: 0 - 50]

- 98 DK
- 99 RF

BTRIP IF(HHBIC>0)In **the past week**, how many times did you/this person ride a bicycle outside including bicycling for exercise?

ENTER NUMBER [RANGE: 0 -50]

- 98 DK
- 99 RF

### STUDENT/EDUCATION

STUDE Is (he, she, you) currently enrolled in any type of school, including daycare, technical school, or university as a part time or full time

- 1 YES – FULL TIME
- 2 YES – PART TIME



- 3 NO (SKIP TO EDUCA)
- 8 DK (SKIP TO EDUCA)
- 9 RF (SKIP TO EDUCA)

SCHOL What school grade or level do you/does this person attend?

[PROGRAMMER NOTE: IF SCHOL=1, 2, 3, or 4 →AUTOFILL EDUCA=1]

[PROGRAMMING NOTE: CHECK AGE OF PERSON BEFORE ASKING CHOICES 1-4]

AGE:<AGE>

- 01 DAYCARE → SKIP TO (→EDUCA=1)

- 02 NURSERY SCHOOL, PRESCHOOL (→EDUCA=1)
- 03 KINDERGARTEN TO GRADE 8(→EDUCA=1)
- 04 GRADE 9 TO 12(→EDUCA=1)
- 05 TECHNICAL/VOCATIONAL SCHOOL
- 06 2-YEAR COLLEGE (COMMUNITY COLLEGE)
- 07 4-YEAR COLLEGE OR UNIVERSITY
- 08 GRADUATE SCHOOL/PROFESSIONAL
- 97 OTHER , SPECIFY (O\_SCHOL)
- 98 DK
- 99 RF

SLOC [IF SCHOL=2, 3, or 4] And [is/are] [he/she/you] home schooled?

- 1 YES
- 2 NO
- 8 DK
- 9 RF

SONLN [IF SCHOL=4-8] Please tell me which of the following best describes where you attend school:

- 1 On campus only
- 2 Online only
- 3 Both on campus and online
- 8 DK
- 9 RF

SNAME [(IF STUDE=1 OR 2) AND (SLOC<>1 AND SONLN<>2)] What is the name of [his/her/your] school?

ENTER NAME: \_\_\_\_\_

CSADD [(IF STUDE=1 OR 2) AND (SLOC<>1 OR SONLN<>2)] What is the address of [his/her/your] school?

- 1 COMPLETE STREET ADDRESS KNOWN → GO TO SADDR
- 2 CROSS STREETS KNOWN

SXST1 [(IF STUDE=1 OR 2) AND (SLOC<>1 OR SONLN<>2)] What are the nearest cross streets of this school?

ENTER RESPONSE: \_\_\_\_\_ [COLLECTED IN TWO FIELDS, SXST1 AND SXST2]

SADDR [(IF STUDE=1 OR 2) AND (SLOC<>1 OR SONLN<>2)] What is the address of this school?

<SADDR> ADDRESS: \_\_\_\_\_

<SSUIT>:SUIT: \_\_\_\_\_

<SCITY> CITY: \_\_\_\_\_

<SSTAT> STATE: \_\_\_\_\_

<SZIP> ZIP: \_\_\_\_\_

PRESCH

[ASK IF SCHOL = 1]

Is this location a:

- 1 Home of a relative/family member
- 2 Home of friend
- 3 Private daycare center
- 7 OTHER: SPECIFY (O\_PRESCH)
- 8 DK
- 9 RF

SMODE

[(IF STUDE = 1 OR 2) AND (IF SLOC<>1 OR SONLN<>2)]

How do/does you/this person normally get to school? [IF NEEDED: That is, the method of travel used for most of the distance.]

NON-MOTORIZED TRAVEL:

- 01 WALK
- 02 BIKE
- 03 WHEELCHAIR / MOBILITY SCOOTER
- 04 OTHER NON-MOTORIZED (Skateboard, etc.)

PRIVATE VEHICLE:

- 05 AUTO / VAN / TRUCK DRIVER
- 06 AUTO / VAN / TRUCK PASSENGER
- 07 CARPOOL / VANPOOL
- 08 MOTORCYCLE / SCOOTER / MOPED

PRIVATE TRANSIT:

- 09 TAXI / HIRED CAR / LIMO
- 10 RENTAL CAR / VEHICLE
- 11 PRIVATE SHUTTLE (SuperShuttle, employer, hotel, etc.)
- 12 GREYHOUND BUS
- 13 AIRPLANE
- 14 OTHER PRIVATE TRANSIT

PUBLIC TRANSIT:

BUS:

- 15 LOCAL BUS / RAPID BUS
- 16 EXPRESS BUS / COMMUTER BUS (AC Transbay, Golden Gate Transit, etc.)
- 17 PREMIUM BUS (Metro Orange / Silver Line)
- 18 SCHOOL BUS
- 19 PUBLIC TRANSIT SHUTTLE (DASH, Emery Go-Round, etc.)
- 20 AirBART / LAX FlyAway
- 21 DIAL-A-RIDE / ParaTransit (Access Services, etc.)
- 22 AMTRAK BUS
- 23 OTHER BUS RAIL/SUBWAY:
- 24 BART, METRO RED / PURPLE LINE
- 25 ACE, AMTRAK, CALTRAIN, COASTER, METROLINK

- 26 METRO BLUE / GREEN / GOLD LINE, MUNI METRO, SACRAMENTO LIGHT RAIL, SAN DIEGO SPRINTER / TROLLEY / ORANGE/BLUE/GREEN, VTA LIGHT RAIL
- 27 STREET CAR / CABLE CAR
- 28 OTHER RAIL
- FERRY:
- 29 FERRY / BOAT

EDUCA  What is the highest degree or level of school you/this person have/has completed?

- 1 NOT A HIGH SCHOOL GRADUATE, 12 GRADE OR LESS (THIS INCLUDES VERY YOUNG CHILDREN TOO)
- 2 HIGH SCHOOL GRADUATE (HIGH SCHOOL DIPLOMA OR GED)
- 3 SOME COLLEGE CREDIT BUT NO DEGREE
- 4 ASSOCIATE OR TECHNICAL SCHOOL DEGREE
- 5 BACHELOR'S OR UNDERGRADUATE DEGREE
- 6 GRADUATE DEGREE (INCLUDES PROFESSIONAL DEGREE LIKE MD, DDS, JD)
- 7 OTHER, SPECIFY (O\_EDUCA)
- 8 DK
- 9 RF

**AFTER THE PERSON ROSTER IS COMPLETE**

HPFLAG CALCULATED VARIABLE

HPFLAG = YES IF HISP=1 for any household member

HPFLAG = NO OTHERWISE

6.0 Finalizing Recruitment

INCA

To make certain our study represents all income groups in California, could you tell me if your total household income(total incomes for all persons living in the household) for last year was above or below \$25,000?

[INTERVIEWER NOTE: Household income not only allows us to verify that we are including all types of households across the state, but it also has been found to be related to the types of trips households typically make.]

- 11 Below \$25,000
- 22 \$25,000 or above
- 98 DK (SKIP TO INCRF)
- 99 RF (SKIP TO INCRF)

**IF BELOW \$25,000**

INCB Is it above or below \$10,000?



[INTERVIEWER NOTE: Household income not only allows us to verify that we are including all types of households across the state, but it also has been found to be related to the types of trips households typically make.]

- 01 Below \$10,000 IF BELOW \$10,000 INCOM=1
- 02 \$10,000 or above IF ABOVE \$10,000, INCOM=2
- 98 DK (SKIP TO INCRF)
- 99 RF (SKIP TO INCRF)

**IF \$25,000 OR MORE**

INCC

Is it above or below \$50,000?

[INTERVIEWER NOTE: Household income not only allows us to verify that we are including all types of households across the state, but it also has been found to be related to the types of trips households typically make.]

- 44 Below \$50,000
- 55 \$50,000 or above
- 98 DK (SKIP TO INCRF)
- 99 RF (SKIP TO INCRF)

**IF BELOW \$50,000**

INCD

Is it above or below \$35,000?

[INTERVIEWER NOTE: Household income not only allows us to verify that we are including all types of households across the state, but it also has been found to be related to the types of trips households typically make.]

- 03 Below \$35,000 IF BELOW \$35,000, INCOM=3
- 04 \$35,000 Or above IF \$35,000 OR ABOVE, INCOM=4
- 98 DK (SKIP TO INCRF)
- 99 RF (SKIP TO INCRF)

**IF \$50,000 OR MORE**

INCE

Is it above or below \$75,000?

[INTERVIEWER NOTE: Household income not only allows us to verify that we are including all types of households across the state, but it also has been found to be related to the types of trips households typically make.]

- 05 Below \$75,000 IF \$50,000 to <\$75,000, INCOM=5
- 66 \$75,000 or above
- 98 DK (SKIP TO INCRF)
- 99 RF (SKIP TO INCRF)

**IF \$75,000 OR MORE**

INCF

Is it above or below \$100,000?

[INTERVIEWER NOTE: Household income not only allows us to verify that we are including all types of households across the state, but it also has been found to be related to the types of trips households typically make.]

- 06 Below \$100,000 IF BELOW \$100,000, INCOM=6
- 77 \$100,000 or above
- 98 DK (SKIP TO INCRF)
- 99 RF (SKIP TO INCRF)

**IF \$100,000 OR MORE**

INCG

Is it above or below \$150,000?

[INTERVIEWER NOTE: Household income not only allows us to verify that we are including all types of households across the state, but it also has been found to be related to the types of trips households typically make.]

- 07 Below \$150,000 IF BELOW \$150,000, INCOM=7
- 88 \$150,000 or above
- 98 DK (SKIP TO INCRF)
- 99 RF (SKIP TO INCRF)

**IF \$150,000 OR MORE**

INCH

Is it above or below \$200,000?

[INTERVIEWER NOTE: Household income not only allows us to verify that we are including all types of households across the state, but it also has been found to be related to the types of trips households typically make.]

- 08 BELOW \$200,000 IF BELOW \$200,000, INCOM=8
- 11 \$200,000 OR ABOVE
- 98 DK (SKIP TO INCRF)
- 99 RF (SKIP TO INCRF)

**IF \$200,000 OR MORE**

INCI (4.7)

Is it above or below \$250,000?

[INTERVIEWER NOTE: Household income not only allows us to verify that we are including all types of households across the state, but it also has been found to be related to the types of trips households typically make.]

- 09 BELOW \$250,000 IF BELOW \$250,000, INCOM=9
- 10 \$250,000 OR ABOVE IF \$250,000 OR MORE, INCOM=10
- 98 DK (SKIP TO INCRF)
- 99 RF (SKIP TO INCRF)

INCRF

IF REFUSED: I appreciate your concerns about providing this information, but I only need to properly identify your household as belonging to one of the following categories: [READ APPROPRIATE RANGES]

- 1 \$0 to \$9,999
- 2 \$10,000 to \$24,999
- 3 \$25,000 to \$34,999
- 4 \$35,000 to \$49,999
- 5 \$50,000 to \$74,999
- 6 \$75,000 to \$99,999
- 7 \$100,000 to \$149,999
- 8 \$150,000 to \$199,999
- 9 \$200,000 to \$249,999
- 10 \$250,000 or more
- 98 DK
- 99 RF

INCOM

COMPUTED INCOME

- 1 \$0 to \$9,999
- 2 \$10,000 to \$24,999
- 3 \$25,000 to \$34,999
- 4 \$35,000 to \$49,999
- 5 \$50,000 to \$74,999
- 6 \$75,000 to \$99,999
- 7 \$100,000 to \$149,999
- 8 \$150,000 to \$199,999
- 9 \$200,000 to \$249,999
- 10 \$250,000 or more
- 98 DK
- 99 RF

WRGPS

[IF GFLAG=1 AND IF AAGE2=1: Your household is qualified to participate in the GPS portion of this study. We are asking you and everyone in the household who is between 16 and 75 years old to wear a GPS device for 3 days in a row, starting on your assigned travel day. The GPS device allows us to collect information not only about where people travel, but also the actual path taken. This is very useful in transportation planning. To show our appreciation for your time and effort, we are offering each GPS user \$XX. To receive this payment, we just ask that everyone in your household use and return their GPS device, and then provide their travel diary information in a separate interview.

This means that your household will receive \$50 if you use and return all GPS devices sent to your household and provide valid travel diary information.

IF NEEDED: We will ask you to wear or carry your GPS units with you when you travel. The devices are small and easy to carry (you can clip them onto your belt, backpack, or purse). They collect details of your travel routes during your travel days. It is very important to the survey that households like yours participate.

- 1 YES → [CONTINUE]
- 2 NO → [Go to <WRGP1>]

WRGP1 [IF WRGPS=2] SET GTYPE = 3 AND CONTINUE AS NON-GPS

VHGPS [IF GFLAG=2 AND VEHOP>0]: Your household is qualified to participate in the GPS portion of this study. We will send you a GPS device for each working vehicle. We ask you to use the devices in each vehicle for seven days in a row, starting on your assigned travel day. The GPS device allows us to collect information not only about where people travel, but also the actual path taken. This is very useful in transportation planning. To show our appreciation for your time and effort, we are offering \$XX for each GPS device used and returned. To receive this payment, we just ask that everyone in your household uses the GPS device in their vehicle for seven days and return it, and then reports their travel diary information in the separate interview portion of the study.

This means that your household will receive \$50 if you use and return all GPS devices sent to your household and provide valid travel diary information.

IF NEEDED: The devices are small and easy to place in your vehicle. They collect details of your travel routes during your travel days. It is very important to the survey that households like yours participate.

- 1 YES → Continue
- 2 NO → [Go to <VHGP1>]

VHGP1 [IF VHGPS=2] SET GTYPE = 3 AND CONTINUE AS NON-GPS

VOBD [IF GFLAG=3 AND VEHOP>0]: Your household is qualified to participate in the GPS portion of this study. We will send you a GPS device and an engine sensor for each working vehicle. We ask you to use these devices in each vehicle for seven days in a row, starting on your diary day. These devices will allow us to collect information not only about where people travel, but also about how the vehicle itself is performing. This is very useful in transportation planning as well as fuel use and air quality research. In appreciation of your time and effort, we are offering \$YY for each set of GPS and engine sensors used and returned. To receive this payment, we just ask that each working vehicle in your household is equipped with these devices for seven days, the devices are returned to us, and everyone in your household reports their travel diary information in the separate interview portion of the study.

IF NEEDED: The devices are small and easy to place in your vehicle. They collect details of your travel routes and vehicle performance during your travel days. It is very important to the survey that households like yours participate.

IF NEEDED: The engine sensor will collect data about your vehicle that is not captured by GPS. Most of this information is related to engine performance. This information will help Caltrans and your local transportation planning agencies better understand the relationship between travel and air quality in your area. Remember that any data we collect is used only for research purposes.

- 1 Yes → Continue
- 2 No → [Go to <VOBDGP1>]

VOBDGP1 [IF OBD=2] SET GTYPE = 3 AND CONTINUE AS NON-GPS

CASSN [IF GTYPE=1] Thank you for agreeing to participate in this study. As I mentioned earlier, understanding your household's travel and activities is very important for improving transportation in your area. We will send a GPS device for each [household member between the ages of 16 and 75/household vehicle] and ask that they [wear/use] the device for [three/seven] consecutive days, starting on <DAY AND DATE>. We will also send a diary for each member of your household to keep track of their travel and activities on <DAY AND DATE>.

- 1 CONTINUE

ASSN Understanding your household's travel and activities is very important for improving transportation in your area. We will send you a diary for each member of your household to keep track of your travel and activities for 24 hours on <ASSN>.

- 1 CONTINUE

INCT1 [IF GTYPE>1] We are offering \$<INAMT> in appreciation of your efforts, but only if EVERYONE in your household completes a travel diary and reports their travel information by <ASN10>, and one person in your household completes the long distance log. Once all travel information is complete and confirmed for EVERYONE in your household, we will mail you a check.

- 1-CONTINUE

INCT2 [IF GTYPE<2] We are offering \$<INAMT> in appreciation of your efforts, but only if all gps devices are used and returned as instructed and everyone completes a travel diary so that we have complete travel information reported by <ASN10>. Once all travel information is complete, the units are returned and confirmed for everyone in your household, we will mail you a check.

- 1-CONTINUE

## 7.0 Household Roster, Part 2



CATSI After your travel day, we will ask you to report details about the places you visited. Would you prefer to report them by telephone interview or via the website?

- 1 Telephone Interview
- 2 Web Interview
- 3 Mailback

WEBRC [IF CATSI=2] We are glad you decided to participate in the final phase of the survey using our project website. The purpose of this study is to understand how, why, and when people travel. This information will help transportation planners improve car, bus, and train travel options, as well as air quality. We will mail travel diaries for each household member to record your travel and activities on your assigned travel day. We will also ask one member of your household to complete a Long-Distance Travel Log to record all long-distance trips, those

of 50-miles or more, made by any household member in the eight-weeks before your assigned travel day.

Once you have completed your travel diaries and log, you can provide your travel information online, by phone, or by mailing back the completed travel diaries and log.

The project website is [www.catravelssurvey.com](http://www.catravelssurvey.com)

Your household's PIN is: [PINNO]



LONGD

[If CATSI=1 or 3] We will mail travel diaries for each household member to record your travel and activities on your assigned travel day. We will also ask one member of your household to complete a Long-Distance Travel Log to record all long-distance trips, those of 50-miles or more, made by any household member in the eight-weeks before your assigned travel day. CMADD In order to mail the survey materials to you, I need to confirm your mailing address.

[IF GTYPE=1 and GFLAG=1]The travel diaries and the GPS devices will be shipped to you within the next week. Use the travel diary on [ASSN] and the GPS devices from [ASSN] until [ASSN+3]. You can return the GPS devices when done using the FEDEX return envelope provided with the equipment.

[IF GTYPE=1 and GFLAG=2] The travel diaries and the GPS devices will be shipped to you within the next week. Use the travel diary on [ASSN] and the GPS devices from [ASSN] until [ASSN+7]. You can return the GPS devices when done using the FEDEX return envelope provided with the equipment.

Is your home address the best place for us to have these items delivered to you?  
NOTE:PO BOXES ARE NOT VALID SHIPPING ADDRESSES FOR FEDEX.

IF WANT DELIVERY TO A NON-HOME ADDRESS:

- <MADDR> ADDRESS:
- <MSUIT> SUIT:
- <MCITY> CITY:
- <MSTAT> STATE:
- <MZIP> ZIP:

HHNME

To whom should we address the envelope?

**PROGRAMMING NOTE: IMPORT FNAME AND LNAME COLLECTED EARLIER AND CONFIRM LISTED NAME. IF NULL OR INCORRECT COLLECT NEW.**

FIRST NAME(RES PF): \_\_\_\_\_ LAST NAME(RES PL): \_\_\_\_\_  
INTERVIEWER NOTE: CONFIRM SPELLING AND READ BACK,  
NOT ALLOWED TO HAVE MR., MRS. OR UNKNOWN.

INITIALS ARE OKAY IF RESPONDENT NOT WILLING TO GIVE FULL NAME.

- SLANG [FULL STUDY ONLY] In which language should I send your diary materials?
- 1 ENGLISH
  - 2 SPANISH
- REMNI Please note that we will contact you on the day before your travel day to remind you about your travel day and to provide you with additional instructions about your participation. Reminders can be made by a telephone call, by text message or by email. Which would you prefer? [PROGRAMMER NOTE: ALLOW MULTIPLE CHOICE]
- 1 Phone
  - 2 Text (SKIP to RMTXT)
  - 3 Email (SKIP to RMEML)
- RMPHN What phone number should we use for reminder messages?
- ENTER PHONE (SKIP TO CBACK)
- RMTXT What cell phone number should we use for reminder text messages?
- ENTER CELL NUMBER (SKIP TO CBACK)
- RMEML What email address should we use to send reminder email messages?
- ENTER EMAIL
- CBACK When we call back to collect your travel and activities, we will not ask to speak with anyone under 16 years old, but we would like to ask about their travel. Who would be the best person to give that information?
- ENTER PERSON NUMBER
- THANK Thank you for participating in this first part of the California Household Travel Survey.. Please tell the other members of your household how important their participation is for the success of the study. We look forward to talking with you again. If you have any questions or comments, I have a toll free number where you can reach us. Would you like that number? IF THEY WANT NUMBER: 1-877-261-4621. Thank you and have a good afternoon/evening.

Notes-

Provide Thank and Terminate Text For all screens that terminate.

GPS Change/Cancellation Fields-

## Appendix C: Recruitment Questionnaire - Online

Acronym Dictionary

NA = Not applicable

GTYPE = 1 GPS SAMPLE

GTYPE = 2 Non-GPS SAMPLE

GTYPE = 3 REFUSED or DQ from  
GPS

GFLAG = 1 Wearable

GFLAG = 2 In-Vehicle

GLFAG=3 In-Vehicle OBD

Yellow Highlighted Changes are made on 09/13/2012

Neon blue Highlighted Changes are made on 09/13/2012

**IF CEC=2 DISPLAY Please note: If your household has already participated in the California Household Travel Survey, you are not eligible to participate more than one time.**

**AGE18**

Hi! Thank you for participating in the California Household Travel Survey. The study is being conducted on behalf of the California Department of Transportation in cooperation with local transportation planning organizations, who are concerned about improving transportation in your area.

“The California Department of Transportation (Caltrans) is the state [government](#) agency responsible for maintaining the state’s transportation infrastructure and improving mobility across California. It manages the [highway system](#) (which includes the [California Freeway and Expressway System](#)) and is actively involved with [public transportation](#) systems throughout California. The department headquarters is in [Sacramento](#).”

Please confirm that you are at least 18 years of age or older.

- 1 Yes, I am 18 or older → CONTINUE
- 2 No I am not 18 or older → TERMINATE

**INT**

This survey needs to be completed by someone at least 18 years of age. If no one in your household at least 18 years of age is currently available, please log back in at a later time. Thank you!

**Please press next to exit the survey.**

**CADDR**

Before beginning the survey, please verify your address is still [ADDRESS].

[PROGRAMMER NOTE: DISPLAY ADDRESS HERE]



- 1 Yes, this is my address. → CKFIP
- 2 No, this is not my current address. → HADDR

**HADDR** Please enter your current physical address.

(HADDR) Street Address:

(HSUIT) Suite:

(HCITY) City:

(HSTAT) State:

(HZIP) Zip Code:

## 2.0 Screener Questions

**CKFIP** Next, we need to verify your county of residence. Do you live in <CTFIP> county?

- 1 Yes → HHSIZ
- 2 No
- 8 I do not know
- 9 I prefer not to answer

**CTFIP** [IF CKFIP=2,8,9] In which county do you live?

- 06001 Alameda
- 06003 Alpine
- 06005 Amador
- 06007 Butte
- 06009 Calaveras
- 06011 Colusa
- 06013 Contra Costa
- 06015 Del Norte
- 06017 El Dorado
- 06019 Fresno
- 06021 Glenn
- 06023 Humboldt
- 06025 Imperial
- 06027 Inyo
- 06029 Kern
- 06031 Kings
- 06033 Lake
- 06035 Lassen
- 06037 Los Angeles
- 06039 Madera
- 06041 Marin
- 06043 Mariposa
- 06045 Mendocino
- 06047 Merced
- 06049 Modoc
- 06051 Mono

06053 Monterey  
 06055 Napa  
 06057 Nevada  
 06059 Orange  
 06061 Placer  
 06063 Plumas  
 06065 Riverside  
 06067 Sacramento  
 06069 San Benito  
 06071 San Bernardino  
 06073 San Diego  
 06075 San Francisco  
 06077 San Joaquin  
 06079 San Luis Obispo  
 06081 San Mateo  
 06083 Santa Barbara  
 06085 Santa Clara  
 06087 Santa Cruz  
 06089 Shasta  
 06091 Sierra  
 06093 Siskiyou  
 06095 Solano  
 06097 Sonoma  
 06099 Stanislaus  
 06101 Sutter  
 06103 Tehama  
 06105 Trinity  
 06107 Tulare  
 06109 Tuolumne  
 06111 Ventura  
 06113 Yolo  
 06115 Yuba  
 99997 Other Not in California → TERMINATE Code as Moved QM  
 99998 I do not know → INT  
 99999 I prefer not to answer → INT

**INT**

If CTFIP= DK or RF We ask for this information because we want to make sure that households from across the State of California participate in the survey. We certainly understand your reluctance to provide this information, but you can be assured that your information will be held in the strictest of confidence and used for transportation planning purposes only. If you do not feel comfortable providing your county of residence, we will have to end the survey. Thank you!

OK I would like to provide this information. → CTFIP

QA I would like to exit the survey. → TERMINATE

**INT**

If CTFIP=99997 Thank you for your time, but we are only attempting to survey households who currently live in the State of California. Have a nice day.

QM MOVED OUT OF STATE OF CALIFORNIA → Terminate exit survey

**HHSIZ**

The next set of questions will ask some basic questions about your household to make certain all types of households are represented in this study. Each **person who lives in your home will be asked to record his or her travel and activities on <ASSN> for a 24 travel period in a travel diary we will mail to you.** We will also include a log to record long-distance trips. Both items will be mailed to you following completion of this survey. Rest assured, all data will be kept strictly confidential and will be used only for research purposes. Even if your household does not travel on this day.....

How many people, including yourself, live in your home?

Please include foster children, roommates, and/or housemates. Do not include college students away at school or people who live at another place most of the time.

We ask this question because it helps us make sure that we include all types of households in your area. We understand your concerns regarding this question, but this information helps transportation planners understand the relationship between the number of people in a household and the number of trips they make. Without this information, your household will not be eligible to participate in this survey. [RANGE: 1-15]

Please enter the number of people living in your home.

98 I do not know → INT

99 I prefer not to answer → INT

**INT05**

We ask for this information because we want to make sure that all types of California households participate in the survey. We certainly understand your reluctance to provide this information, but you can be assured that your information will be held in the strictest of confidence and used for transportation planning purposes only. If you do not feel comfortable providing this information, we will have to end the survey. Thank you!

OK I would like to provide this information. → HHSIZ

QP I would like to exit the survey. → TERMINATE

**HHWRK**

Of all the people in your household, how many are employed full-time or part-time in paid working positions? [RANGE: 0-15]

**98-I do not know-INT13**

99-I prefer not to answer-INT13

PROGRAMMER NOTE: SET A TERMINATION ALGORITHM TO TERMINATE 50% OF ZERO WORKER HOUSEHOLDS
---

**INT12**

We certainly appreciate your willingness to participate in the survey. However, at this time, we have a sufficient number of households in our survey sample that are comprised of individuals in this category of workers and household members. Thank you!

Please press 'NEXT' to exit the survey.

QW- TERMINATED-NONWORKER

INT13 We ask for this information because we want to make sure that all types of California households participate in the survey. We certainly understand your reluctance to provide this information, but you can be assured that your information will be held in the strictest of confidence and used for transportation planning purposes including public transit. If you do not feel comfortable providing this information, we will have to end the survey.

OK- I would like to provide this information-HHWRK

QH- I would like to exit the survey-END

**STOP** (IF HHWRK>HHSIZ) We're sorry, but there seems to be an error.

You just recorded having <HHWRK>, but reported earlier having only <HHSIZ> in the household.

Which number should be corrected?

1-Correct the number of workers

2-Correct the number of household members

**RIBUS** Do you or any members of your household use transit at least once a week?

1 Yes

2 No

8 I do not know

9 I prefer not to answer

**AAGE2** Is there at least one person in your household who is between the ages of 16 and 75?

1 Yes

2 No → [TERMINATE HOUSEHOLD FROM GPS SAMPLE AND USE RANDOM NUMBER GENERATOR TO TERMINATE 2 OUT OF EVERY 3 HOUSEHOLDS [CODE AS QE]

8 I do not know → [TERMINATE HOUSEHOLD FROM GPS SAMPLE]

9 I prefer not to answer → [TERMINATE HOUSEHOLD FROM GPS SAMPLE]

**INT06** [IF AAGE2=2] We certainly appreciate your willingness to participate in the survey. However, at this time, we have a sufficient number of households in our survey sample that are comprised of individuals in this age category. Thank you!

Please press 'NEXT' to exit.

QE-SENIOR ONLY RANDOM DISQUALIFICATION

**HHVEH** How many motor vehicles are owned, leased, or available for regular use by the people who currently live in your household? Please be sure to include motorcycles, mopeds, and RVs. [RANGE: 0-15]

Please enter the number of vehicles. (if>0 AND <98, skip to VEHOP)

98 I do not know-INT11

99 I prefer not to answer-INT11

INT11

We're sorry, but transportation planners need to know the number of vehicles available to a household to understand how and why people make trips. Without this information, your household is not eligible to participate in this study.

Please enter the number of vehicles are in your household.

OK-I would like to provide this information.

QV-I would like to exit the survey.

HHNOV

[IF HHVEH = 0] Please let us know the reasons why you/your household does not own a motor vehicle.

Select all that apply.

01 Do not need a car – I can do what I need without a motor vehicle-HHBIC

02 Too expensive to buy-HHBIC

03 Too expensive to maintain (gas / insurance / repairs) -HHBIC

04 Health / Age related reasons-HHBIC

05 Cannot get insurance-HHBIC

06 Concerned about impact on environment-HHBIC

07 Get rides from other people-HHBIC

08 No place to park-HHBIC

09 Use public transit/car share/bike/walk - HHBIC

10 No driver's license – HHBIC

11 Cannot Drive

12 Other - HHBIC

98 I do not know-HHBIC

99 I prefer not to answer-HHBIC

VEHOP

[IF HHVEH>0] How many of these vehicles are operational and used regularly during the week? [RANGE: 1-15]

Please enter the number of operational vehicles. →VCHK1

98 I do not know → INT11

99 I prefer not to answer → INT11

[PROGRAMMER NOTE: IF = 0, UPDATE TO GTYPE =3 IF GPS SAMPLE  
OR SKIP TO HHBIC IF GTYPE = 2]

[PROGRAMMER NOTE: IF HHVEH < VEHOP →VCHK1

VCHK1

ERROR TEXT

We're sorry, but there seems to be an error. You just recorded having <VEHOP:C> working vehicles, but reported earlier having only <HHVEH:C> vehicles. Which number should be corrected?

- 1 I would like to go back and review the number of household vehicles I reported. → HHVEH
- 2 I would like to go back and review the number of operational vehicles I reported. → VEHOP

**INT11**

We're sorry, but transportation planners need to know the number of vehicles available to a household to understand how and why people make trips. Without this information, your household is not eligible to participate in this study.

Please enter the number of vehicles your household uses on a regular basis during the week.

OK I would like to provide this information. → VEHOP

QV I would like to exit the survey. → TERMINATE

**VEHPR**

VEHPR AND VEDTE ASKED OF GPS SAMPLE ONLY IF GTYPE>1, SKIP TO HHBIC [RANGE: 1-15]

[IF GFLAG=2 or 3 AND VEHOP>0] Of the vehicles that are operational and used by your household on a regular basis during the week, how many have a working power outlet or cigarette lighter socket?

PROGRAMMER NOTE: IF VEHOP < VEHPR → VCHK2

Please enter the number of operational vehicles with a working power outlet or cigarette lighter socket. (IF ZERO, UPDATE GTYPE → 3

98 I do not know → UPDATE TO GTYPE = 3

99 I prefer not to answer → UPDATE TO GTYPE = 3

**VCHK2**

ERROR TEXT

We're sorry, but there seems to be an error. You just recorded having <VEHPR:C> working vehicles with a working power outlet or cigarette lighter socket, but reported earlier having only <VEHOP:C> total vehicles. Which number should be corrected?

- 1 I would like to update the information I provided earlier regarding the number of operational vehicles regularly available to my household.
- 2 I would like to update the information I provided earlier regarding the number of operational vehicles regularly available to my household with a working power outlet or cigarette lighter socket.

**VEDTE**

[IF GFLAG= 3 AND VEHPR>0] And of these vehicles that have a working power outlet or cigarette lighter socket, how many are model years of 1996 or newer? [RANGE: 1-15]

PROGRAMMER NOTE: IF VEDTE > VEHPR → VCHK3

Please enter the number of operational vehicles with a working power outlet or cigarette lighter socket with model years of 1996 or newer. → HHBIC IF ZERO, UPDATE GTYPE → 3

- 98 I do not know → UPDATE TO GTYPE = 3
- 99 I prefer not to answer → UPDATE TO GTYPE = 3

**VCHK3** ERROR TEXT

We're sorry, but there seems to be an error. You just recorded that you have <VEDTE> vehicles with working power outlets or cigarette lighter sockets and are model years of 1996 or newer, but reported earlier having only <VEHPR> vehicles with working power outlets or cigarette lighter sockets. Which number should be corrected?

- 1 I would like to update the information I provided earlier regarding the number of operational vehicles regularly available to my household with a working power outlet or cigarette lighter socket.
- 2 I would like to update the information I provided earlier regarding the number of operational vehicles regularly available to my household with a working power outlet or cigarette lighter socket and that are model years of 1996 or newer.

**HHBIC** And how many bicycles in working condition are available to people in your household?  
[RANGE: 0-15]

Please enter the number of bicycles.

- 98 I do not know
- 99 I prefer not to answer

**INT10** Thank you. We asked these questions to help us to make sure that all types of households are represented in this study. An important part of this study is to understand why, when, and where people travel in California. To do this, we are asking households to record their travel and activities for a 24-hour period on <DAY AND DATE>. If you are willing to participate, we will ask you some more questions about your household and household members today. Then, we will mail a personal Travel Diary for each person in your household so everyone can record where they go, how they travel, and what they do on your assigned travel day.

We will also mail one Long-Distance Travel Log, for your entire household, to record any additional trips made to locations over 50 miles away from your home.

All of the information you provide will be used for travel, fuel use, and air quality research purposes only and will be held in strict confidence.

Please press 'NEXT' to continue.

3.0 Vehicle Roster

**VEHNO** System Variable/VEHICLE NUMBER

**CAR** **(VEHOP=1)** Now we have some questions about your <VEHOP> operational vehicle.

**CARS** **(VEHOP>1)** Now we have some questions about each of your <VEHOP> operational vehicles. We will start with the vehicle that you drive the most.

**YEAR** What is the year of this vehicle?

Please enter the year of this vehicle: \_ \_ \_ \_ [NOTE: FOUR DIGITS FOR YEAR, RANGE: 1930-2013]

- 9998 I do not know
- 9999 I prefer not to answer

**MAKE**

What is the make or manufacturer of this vehicle? [e.g. **Honda**]

Note: Please scroll down to see the complete list

[PROGRAMMER NOTE: PLEASE USE MOST UPDATED LIST]

- 97 Other, Specify (O\_MAKE)
- 98 I do not know
- 99 I prefer not to answer

**MODELX**

What is the model of this vehicle? [e.g. Honda **Civic** ]

[PROGRAMMER NOTE: PLEASE USE MOST UPDATED LIST]

- 9997 Other, Specify in next question (O\_MODELX)
- 9998 I do not know
- 9999 I prefer not to answer

**SERIES**

What is the series of this vehicle? [e.g. Honda Civic **Si**]

[PROGRAMMER NOTE: PLEASE USE MOST UPDATED LIST]

Please the enter series of this vehicle.

- 000000 No Series
- 999997 Other, Specify (O\_SERIES)
- 999998 I do not know
- 999999 I prefer not to answer

**BODY**

What is the body type of this vehicle?

- 01 Sedan (4-Door)
- 02 SUV
- 03 Pick-up truck
- 04 Coupe (2-Door)
- 05 Convertible
- 06 Hatchback
- 07 Wagon
- 08 Minivan
- 09 Van
- 10 Other kind of truck



- 11 Recreational vehicle
- 12 Motorcycle [PROGRAMMER NOTE: AUTOFILL]
- 13 Moped / Scooter (for example, Vespa)
- 97 Other (please specify the body type such as watercraft, crossover, etc.) (O\_BODY)
- 98 I do not know
- 99 I prefer not to answer

VEHTRN [IF BODY <12] Is the transmission manual or automatic?

- 1- Automatic
- 2- Manual
- 3- Both automatic and manual options (e.g. Tiptronic)
- 8- I do not know
- 9- I prefer not to answer

VEHDRT [IF BODY<12] What kind of drive/power train does it have? Is it...

- 1 Front wheel drive
- 2 Rear-wheel drive
- 3 Four-wheel drive (all-wheel drive)
- 7 Other, please specify (O\_VEHDRT)
- 8 I do not know
- 9 I prefer not to answer

VEHCYL [IF BODY<12 How many cylinders does this vehicle have? Is it a...cylinder?

- 1 two
- 2 four
- 3 five
- 4 six
- 5 eight
- 6 ten
- 7 twelve
- 97 other, please specify
- 98 i do not know
- 99 i prefer not to answer

VEHOUT [ IF BODY <12 & GFLAG=3] How close is the nearest electrical outlet to where the vehicle is usually parked when you are at home?

Please record the distance in feet: \_\_\_\_\_

- 9000        There is no outlet →VEHT
- 9998        I do not know
- 9999        I prefer not to answer

- VEHVLT        **[ IF BODY <12 & GFLAG=3]** Is that a 110 or 220 volt outlet?
- 1        Standard 110 volt (Outlet for small appliances, lamps, etc)
  - 2        220 volt (Round outlet for large appliances such as washing machines, dryers, refrigerators, etc)
  - 8        I do not know
  - 9        I prefer not to answer

- VEHT        Is this vehicle:
- 1        Hybrid Vehicle → FUELTYPE [PROG: SHOW ALL]
  - 2        Gasoline Only Vehicle → FUELTYPE=1
  - 3        Diesel Only Vehicle → FUELTYPE [PROG: SHOW ONLY CHOICES 2 & 5]
  - 4        Plug In Hybrid Electric Vehicle → FUELTYPE [PROG: SHOW ALL]
  - 5        CNG → FUELTYPE=4
  - 6        Electric Only → FUELTYPE=3
  - 7        OTHER → FUELTYPE [PROG: SHOW ALL]

- FUELTYPE        What type or types of fuel does this vehicle use?
- Select all that apply.
- 1        Gasoline
  - 2        Diesel
  - 3        Electric / Electric Battery
  - 4        CNG - Natural Gas
  - 5        Biofuel, Ethanol, Biodiesel
  - 7        Other (please specify fuel type) (O\_FUELTYPE)
  - 8        I do not know-CIGLT
  - 9        I prefer not to answer-CIGLT

- CIGLT        **[IF GTYPE=1 and GFLAG=2 or 3]** Does this vehicle have a working power outlet or cigarette lighter?
- 1        **Yes**
  - 2        **No**
  - 8        **I do not know**
  - 9        **I prefer not to answer**

- VEHAQ        When your household acquired this vehicle, was it new or used?
- 1        New
  - 2        Used
  - 8        I do not know
  - 9        I prefer not to answer

- VEHOWN** Is this vehicle owned, leased, or borrowed?
- 1 Owned by a household member
  - 2 Leased by a household member
  - 3 Owned or leased by my employer / company
  - 4 Borrowed (owned or leased by a person not living in my household)
  - 7 Other (please specify) (O\_VEHOWN)
  - 8 I do not know
  - 9 I prefer not to answer

**VEHINS** [GFLAG=3] Do you have Pay-As-You-Drive auto insurance for this vehicle?

Pay-As-You-Drive means that your vehicle's insurance premium is on a per mile basis directly related to how many miles it is driven.

- 1 Yes
- 2 No →GO TO NEXT VEHICLE (IF VEHNO<VEHOP), ELSE VEHNEW
- 8 I do not know
- 9 I prefer not to answer

**VEHOBD** [GFLAG=3] Does this vehicle have any devices provided by your insurance company to detect the mileage driven?

- 1 Yes [IF GTYPE=1 and GFLAG=3 (OBD SAMPLE), UPDATE TO GFLAG = 2]
- 2 No
- 8 I do not know
- 9 I prefer not to answer

PROGRAMMER NOTE: SHOW MATRIX ON SCREEN—SHOW VEH1...ON ONE SCREEN

PROGRAMMER NOTE: ASK VEHNO THROUGH VEHOBDD SKIP TO VEHNEW IF HHVEH = 0

PROGRAMMER NOTE: WHEN DONE WITH VEHICLE ROSTER, ASK VEHNEW AND BUYER ONCE OF EACH HH

**VCONFIRM** This is the information we have for this vehicle-

<YEAR> <MAKE> <MODEL>

Is this correct?

Yes-VEHNEW

No-YEAR for the current row

**VEHNEW** Do you or does anyone in your household plan on buying or leasing a new or used vehicle within the next five years?

- 1 Yes
- 2 No →RESTY
- 8 I do not know →RESTY
- 9 I prefer not to answer →RESTY

**BUYER** Who would be responsible for the purchase or lease of the vehicles you plan to obtain?

[PROGRAMMER NOTE: ONLY ALLOW UP TO 3 SELECTIONS]

Please select all that apply.

- 01 Self
- 02 Spouse / Partner
- 03 Child / Daughter / Son / Adopted child / Stepchild / Son-in-law / Daughter-in-law
- 08 Other relatives
- 09 No Relation / housemate / roommate / foster child
- 99 I prefer not to answer

#### 4.0 Household Roster, Part 1

**RESTY** Which one of the following best describes your home?

- 01 Single-family house not attached to any other house
- 02 Single-family house attached to one or more houses each with a separate entry (for example, a townhouse, duplex, or triplex)
- 03 Mobile home
- 04 Building with 2–4 apartments / condos / studios / rooms
- 05 Building with 5–19 apartments / condos / studios // rooms
- 06 Building with 20 or more apartments / condos / studios // rooms
- 07 Boat, RV, Van (or other type of vehicle-based housing)
- 97 Other (please specify) (O\_RESTY)
- 98 I do not know
- 99 I prefer not to answer

**OWN** Do you own or rent your home?

- 1 Own / Buying (Paying off mortgage)
- 2 Rent
- 7 Other (please specify) (O\_OWN)
- 8 I do not know
- 9 I prefer not to answer

**TEN** How many years have you lived at your current residence?

Please enter the number of years. If less than one year, enter “1”.

- 98 I do not know
- 99 I prefer not to answer

**PREVADDR** [IF TEN < 6] What is the address of your previous residence?

(PREVADDR) Address:  
(PREVSUIT) Suite :  
(PREVCITY) City:  
(PREVSTAT) State:  
(PREVZIP) Zip:

PROGRAMMER NOTE: IT IS OK IF THE RESPONDENT ENTERS PARTIAL INFORMATION. THIS INFORMATION IS NOT REQUIRED FOR COMPLETION.

**CPLNS** Next, we'll ask some questions about the telephones your household uses. [RANGE: 0-15]

How many total cell phone numbers do people in your household have?

Please enter the number of cell phone numbers.

98 I do not know

99 I prefer not to answer

**PHLNS** Not counting these cell phones numbers, how many home telephone numbers does your household have? This includes only landlines, Internet lines, or those hard-wired to your house. [RANGE: 0-15]

Please enter the number of home telephone numbers.

98 I do not know

99 I prefer not to answer

## 5.0 Person Roster

**HHMEM** Now we'll ask you to answer a few questions about each household member, including yourself.

Earlier you said there are <HHSIZ> persons in your household. Let's begin with you.

**FNAME**

[PROGRAMMER NOTE: IF ONLY 2 PERSONS IN THE HOUSEHOLD ASK: WHAT IS YOUR FIRST NAME? THEN ASK: WHAT IS THE OTHER PERSON'S FIRST NAME?]

What is your name?

What is the name of the next oldest person in your household? [IF RELUCTANT] Initials are okay at this point.

What is the name of the next oldest person? [IF RELUCTANT] Initials are okay at this point.

[PROGRAMMER NOTE: GET NAMES FOR ALL HOUSEHOLD MEMBERS]

**LNAME** What last name should we use for your household when mailing the materials?

**GEND** What is <FNAME>'s gender?

- 1 Male
- 2 Female
- 9 I prefer not to answer

**RELAT** [IF PERNO>1]What is this person's relationship to you?

- 01 Self
- 02 Spouse / Partner
- 03 Child / Daughter / Son / Adopted child / Stepchild / Son-in-law / Daughter-in-law
- 04 Parent / Parent-in-law / Stepparent
- 05 Brother or sister (stepbrother / stepsister)
- 06 Grandparent
- 07 Grandchild
- 08 Other relative (please specify)
- 09 No Relation / housemate / roommate / foster child
- 99 I prefer not to answer

**AGE** What is [your] [this person's] age? [RANGE: 1-98]

Please enter age. For household members younger than one year, enter "1".

- 998 I do not know
- 999 I prefer not to answer

[PROGRAMMER NOTE: IF <998 SKIP TO HISP]

**AGEB** We understand your reluctance to provide [your] [this person's] age. However, age is an important factor because as we get older, our travel needs and patterns change. Can you let us know us if [you are] [he / she is] between the ages of 16 and 75?

- 1 Younger than 16 or over 75
- 2 Between 16 and 75 [PROGRAMMER NOTE: TREAT AS ADULT]
- 8 I do not know
- 9 I prefer not to answer

**HISP** [Are you] [Is this person] of Hispanic, Latino, or Spanish origin?

- 1 Yes
- 2 No
- 8 I do not know
- 9 I prefer not to answer

**RACE** What is [your] [this person's] ethnicity?

Select all that apply.

- 01 White
- 02 Black or African American
- 03 American Indian or Alaska Native

- 04 Asian (Asian Indian, Japanese, Chinese, Korean, Filipino, Vietnamese)
- 05 Native Hawaiian or Pacific Islander (Guamanian, Samoan, Fijian)
- 97 Other (please specify) (O\_RACE)
- 98 I do not know
- 99 I prefer not to answer

**NTVTY** [Were you] [Was this person] born in the United States?

People who were born in other countries where there are other bus or rail train choices have been found to continue to use transit more often. This information is only for transportation planning purposes and will not be shared with any other government agency.

- 1 Yes → LIC
- 2 No
- 8 I do not know
- 9 I prefer not to answer

**CNTRY** What year did [you] [this person] move to the United States? [RANGE: 1900-2012]

Other studies have found that people who have recently moved to the United States often have different transportation choices; for example, they tend to use buses and trains more often. This information is only for transportation planning purposes and will not be shared with any other government agency.

Please enter year (an approximation is okay): \_ \_ \_ \_

- 9998 I do not know
- 9999 I prefer not to answer

**LIC** [IF AGE >15 AND AGEB<>1] [Do you] [Does this person] have a valid driver's license?

- 1 Yes
- 2 No →TRANS
- 8 I do not know-TRANS
- 9 I prefer not to answer-TRANS

[PROGRAMMER'S NOTE: USER, TRANS, TPTYP, PASSTL, AND FLEX ONLY ASKED IF AGE >15 AND AGEB<>1]

**USER** [IF AGE>15 AND AGEB <> 1 AND VEHOP>0 AND LIC=1] Which vehicle [do you] [does this person] drive most often?

PROGRAMMER NOTE: RECALL LIST OF REPORTED VEHICLES FROM VEHICLE ROSTER

- 98 I do not know
- 99 I prefer not to answer

**TRANS** [Do you] [Does this person] have a transit pass?

- 1 Yes

- 2 No →PASSTL
- 8 I do not know→PASSTL
- 9 I prefer not to answer →PASSTL

**TPTY**

What types of passes [do you] [does] this person have?

Select all that apply.

- 09 Bay Area Clipper Card →CLIP
- 10 San Diego Compass Card→COMP
- 11 TAP Card or EZ transit Pass→MET
- 12 Other local bus pass
- 13 Other Express / Commuter bus pass
- 14 Other Light Rail / Subway / Train / Streetcar pass
- 15 Dial-a-ride / Paratransit pass
- 16 Ferry / Boat pass
  
- 97 Other (please specify)
- 98 I do not know
- 99 I prefer not to answer

**CLIP**

**[IF TPTY=1] What type of Clipper Card?**

**Note: Please select all that apply.**

- 28 **Cash Value**
- 29 **AC Transit – Adult 31-day Local Pass**
- 30 **AC Transit – Adult 31-day Transbay Pass**
- 31 **AC Transit – Senior/RTC Local Monthly Pass**
- 32 **AC Transit – Youth 31-day Local Pass**
- 33 **BART - \$48 High Value Discount**
- 34 **BART - \$64 High Value Discount Card**
- 35 **Caltrain – Adult Monthly Pass**
- 36 **Caltrain – Adult Monthly and Muni Pass**
- 37 **Caltrain – Adult 8-ride Ticket**
- 38 **Caltrain – Eligible Discount Monthly Pass**
- 39 **Caltrain – Eligible Discount 8-ride Ticket**
- 40 **SF Muni – Adult Muni/BART “A” Fast Pass**



- 41 SF Muni - Adult Muni only "M" Monthly Pass
- 42 SF Muni – Adult 10-Ride Book
- 43 SF Muni – Senior Monthly Pass
- 44 SF Muni – Disabled Monthly Pass
- 45 SF Muni – Youth Monthly Pass
- 46 SamTrans – Adult Local Monthly Pass
- 47 SamTrans – Adult Local/SF Monthly Pass
- 48 SamTrans – Adult Express Monthly Pass
- 49 SamTrans – Eligible Discount Monthly Pass
- 50 SamTrans – Youth Monthly Pass
- 51 VTA – Adult Monthly Pass
- 52 VTA – Express Adult Monthly Pass
- 53 VTA – Senior/RTC Monthly Pass
- 54 VTA – Youth Monthly Pass
- 98 I do not know
- 99 I prefer not to answer

**COMP [IF TPTY=2] What type of Compass Card is that?**

- 13 Regional Monthly Pass - Adult
- 14 Regional Monthly Pass - Youth
- 15 Regional Monthly Pass – Senior/Disabled/Medicare
- 16 Premium Express Monthly Pass – Adult
- 17 Premium Express Monthly Pass – Youth
- 18 Premium Express Monthly Pass – Senior/Disabled/Medicare
- 19 Coaster 1 Zone Monthly Pass
- 20 Coaster 2 Zone Monthly Pass
- 21 Coaster 3 Zone Monthly Pass

- 22 Coaster Monthly Pass – Youth
- 23 Coaster Monthly Pass – Senior/Disabled/Medicare
- 24 Sprinter/Breeze Monthly Pass
- 98 I do not know
- 99 I prefer not to answer

**MET** [IF TPTYP=03] What type of TAP Card or EZ transit Pass?

- 06 30-Day Pass
- 07 7-Day Pass
- 08 EZ Transit Pass
- 09 Freeway Express Stamp
- 10 TAP Stored Value
- 99 I do not know
- 99 I prefer not to answer

**PASSTL** [Do you] [Does this person] have a toll road, HOT lane, or toll bridge pass or account?

- 1 Yes
- 2 No
- 8 I do not know
- 9 I prefer not to answer

**FLEX** [Do you] [Does this person] have a Zipcar, CityCarShare, or other type of car-sharing membership?

- 1 Yes
- 2 No
- 8 I do not know
- 9 I prefer not to answer

**EMPLY** [IF AGE > 15 AND AGEB <>1] [Are you] [Is this person] employed, either full-time or part-time?

- 1 Yes →JOBS
- 2 No
- 8 I do not know
- 9 I prefer not to answer

**WKSTAT** [EMPLY<>1] Which of the following best describes your status?

- 01 Retired → DISAB

- 02 Disabled / On Disability Status → DISAB
- 03 Homemaker → DISAB
- 04 Unemployed but looking for work → DISAB
- 05 Unemployed and not looking for work → DISAB
- 06 Student → DISAB
- 07 Volunteer → DISAB
- 97 Other (please specify) → DISAB
- 98 I do not know → INT
- 99 I prefer not to answer → INT

A person's work status helps determine when and where he or she travels. This type of information is important for transportation planning.

**INT**

We ask for this information because we want to make sure that all types of households are represented in this study. We certainly understand your reluctance to provide this information, but you can be assured that your information will be held in the strictest of confidence and used for transportation planning purposes only. If you do not feel comfortable providing this information, we will have to end the survey. If you would like to go back and modify your response, please do so now. Thank you!

OK-I would like to provide this information. → WKSTAT

QK-I would like to exit the survey. → TERMINATE

**JOBS**

[IF EMPLY = 1] How many jobs [do you] [does this person] have? [RANGE: 1-5]

Please include all paid positions that [you work] [he / she works] on a regular basis.

Please enter the number of jobs.

- 98 I do not know
- 99 I prefer not to answer

**WLOC**

Next, we will focus on [your] [this person's] primary job. Is [your / this person's] primary work address fixed, is it your home, or does it vary from day to day or week to week?

The primary work address is where [you spend] [this person spends] the most time while working.

- 1 Fixed
- 2 Home → WDAY
- 3 Workplace varies (for example, construction)
- 8 I do not know
- 9 I prefer not to answer

**WNAME**

What is the name of [your] [this person's] primary employer?

Please enter primary employer's name.

We understand if you are reluctant to answer this. If you prefer not to answer, please type 'Prefer not to answer'.

**CWADD**

[IF WLOC <> 2] Do you know the exact street address or only the nearest cross-streets?

- 1 I know the full address
- 2 I know the cross-streets only →WXSTR1
- 8 I do not know the address or the cross-streets-POPUP
- 9 I prefer not to answer-POPUP

**WADDR** [IF WLOC <> 2] What is the address of this primary job?

[IF WLOC = 3] What is the address of the most recent primary work location?

(WADDR) Street Address:

(WSUIT) Suite :

(WCITY) City:

(WSTAT) State:

(WZIP) Zip Code:

**WXSTR1/WXSTR2** [IF WLOC <> 2 AND CWADD<>1] What are the nearest cross-streets to this primary job?

Cross-street 1:

Cross-street 2:

**POPUP** Please keep in mind that work address information is required in order to participate in the survey. If you do not have this information on hand, that is fine. Please have at least the cross-streets of this work location by the time you enter your travel information the day after your travel day.

Please press 'NEXT' to continue

**WDAYS** How many days a week [do you] [does this person] typically go to work at this location? [RANGE: 1-7]

Transportation planners want to know when people are most likely to be traveling on the roads or using buses or trains.

Please enter the number of days.

- 8 I do not know
- 9 I prefer not to answer

**WDAY** What days of the week [do you] [does this person] typically work at this primary job?

Select all that apply.

- 8 Monday - Friday
- 1 Monday
- 2 Tuesday
- 3 Wednesday
- 4 Thursday
- 5 Friday
- 6 Saturday
- 7 Sunday
- 98 I do not know
- 99 I prefer not to answer

**HOURS** How many hours per week [do you] [does this person] typically work at this primary job?

Please enter the number of hours.

998 I do not know

999 I prefer not to answer

**WSCHED** Which of the following statements best describes [your] [this person's] work schedule?

1 I have no flexibility in my work schedule.

2 I have some flexibility in my work schedule.

3 I'm free to adjust my schedule as I like.

8 I do not know → WMODE

9 I prefer not to answer → WMODE

**COMPR** Does [your] [this person's] primary employer offer alternative work schedule options such as a compressed workweek?

For example, in a compressed workweek, you work 40 hours in fewer than five days.

1 Yes

2 No

8 I do not know

9 I prefer not to answer

**WMODE** [SKIP IF WLOC=2] How [do you] [does this person] normally get to this primary job? That is, what method of travel is used for the longest distance?

NON-MOTORIZED TRAVEL:

01 Walk

02 Bike

03 Wheelchair / Mobility Scooter

04 Other Non-Motorized (Skateboard, etc.)

PRIVATE VEHICLE:

05 Auto / Van / Truck Driver

06 Auto / Van / Truck Passenger

07 Carpool / Vanpool

08 Motorcycle / Scooter / Moped

PRIVATE TRANSIT:

09 Taxi / Hired Car / Limo

10 Rental Car/Vehicle

11 Private shuttle (SuperShuttle, employer, hotel, etc.)

12 Greyhound Bus

13 Airplane

14 Other Private Transit

PUBLIC TRANSIT:

BUS:

15 Local Bus, Rapid Bus

16 Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc.)

17 Premium Bus (Metro Orange / Silver Line)

- 18 School Bus
- 19 Public Transit Shuttle (DASH, Emery Go-Round, etc.)
- 20 AirBART / LAX FlyAway
- 21 Dial-a-Ride / ParaTransit (Access Services, etc.)
- 22 Amtrak Bus
- 23 Other Bus
- RAIL/SUBWAY:
- 24 BART, Metro Red / Purple Line
- 25 ACE, Amtrak, Caltrain, Coaster, Metrolink
- 26 Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail
- 27 Street Car / Cable Car
- 28 Other Rail
- FERRY:
- 29 Ferry / Boat

**INDUS**

[IF EMPLY=1] What type of business or company is [your / his / her] primary job?

**ROTATE RESPONSES**

- 11 Agriculture, farming, forestry, fishing, hunting
- 21 Mining, quarrying, oil or gas drilling company
- 22 Utility company, sewage treatment facility, utilities in general
- 23 Construction
- 31 Manufacturing, including bakery, food processor, mill, manufacturer, machine shop, medical biotechnology
- 42 Wholesale trade
- 44 Retail trade, including store, shop, dealer (for example, auto dealer)
- 48 Transportation, bus or train company, airline, postal service, warehouse or storage
- 51 Information, including publisher, phone company, movie company, Internet company, library, data processing, computer company
- 52 Finance and insurance, such as bank, insurance company, credit union, finance company
- 53 Real estate company, any rental or leasing company, including auto or video rental
- 54 Professional, scientific or technical services, including law, accounting, design, engineering, consulting, or advertising, firm or company, and veterinary services
- 55 Management of companies and enterprises
- 56 Administrative support, including employment agency, travel agency, security guard company, waste management (trash) company, remediation services
- 61 Educational services, including school, university, training school
- 62 Health care and social assistance, including hospital, doctor's office, assisted living home, day care center
- 71 Arts, entertainment and recreation, including art gallery, museum, theatre, bowling alley, casino
- 72 Accommodation or food services, including hotel, restaurant
- 81 Other services (except public administration), such as auto repair, hair or nail salon, barber shop, funeral home, labor union, Religious Organizations, Civic or Social Organizations
- 92 Public administration, such as government agency, city or county department, military

- 97 Other (please specify)
- 98 I do not know
- 99 I prefer not to answer

**OCCUP**

[IF EMPLY=1] What kind of work [do you] [does this person] do at this company / business?

**ROTATE RESPONSES**

- 11 Management occupations, such as president, CEO, manger, director (in all fields)
- 13 Business and financial operations occupations, such as management analyst, research analyst, agent, accountant
- 15 Computer and mathematical occupations, such as computer programmer, web developer, statistician
- 17 Architecture and engineering occupations, such as architect, engineer, drafter, surveyor
- 19 Life, physical, and social science occupations, such as scientist, survey researcher, psychologist, science technician
- 21 Community and social service occupations, such as counselor, clergy, social worker, probation officer
- 23 Legal occupations, such as lawyer, law clerk, paralegal
- 25 Education, training and library occupations, such as teacher, college professor, librarian, teacher assistant
- 27 Arts, design, entertainment, sports and media occupations, such as professional athlete, writer, camera operator
- 29 Health care practitioners and technical occupations, including MD, RN, LVN, dentist, veterinarian, licensed technician, therapist
- 31 Health care support occupations, such as health aide, nursing assistant, massage therapist
- 33 Protective service occupations, such as correctional officer, police officer, firefighter, security guard, crossing guard, security screener, lifeguard
- 35 Food preparation and serving-related occupations, such as cook, waiter / waitress, bartender, food server, dishwasher
- 37 Building and grounds cleaning and maintenance occupations, such as janitor, maid, housekeeper, gardener
- 39 Personal care and service occupations, such as hairdresser, tour guide, childcare worker, card dealer
- 41 Sales and related occupations, such as cashier, sales clerk, sales agent, real estate broker
- 43 Office and administrative support occupations, such as bank teller, office clerk, account clerk, postal service clerk, data entry clerk, secretary, administrative assistant
- 45 Farming, fishing, and forestry occupations, including farmer, field worker, animal trainer / breeder
- 47 Construction and extraction occupations, including electrician, carpenter, painter, construction equipment operator, miner, driller, explosives worker
- 49 Installation, maintenance, and repair occupations, such as repairer, mechanic, equipment installer
- 51 Production occupations such as assembler, baker, machinist, lab technician (medical, dental, and ophthalmic), jeweler
- 53 Transportation and material moving occupations such as bus or taxi driver, truck driver, crane operator, ship loader

- 55 Military specific occupations
- 97 Other (please specify)
- 98 I do not know
- 99 I prefer not to answer

**WLOC2** [IF EMPLY=1 AND JOBS>1] Now, please describe [your] [this person's] secondary job. Is [your / his / her] secondary work address fixed, is it your home, or does it vary from day to day or week to week?

The secondary work address is where [you spend] [this person spends] the second most amount of time working.

- 1 Fixed
- 2 Home-WDAYS2
- 3 Workplace varies (for example, construction)
- 8 I do not know
- 9 I prefer not to answer

**WNAME2** [ASK IF JOBS>1] What is the name of [your] [this person's] secondary employer?

Please enter secondary employer's name.

We understand if you are reluctant to answer this. If you prefer not to answer, please type 'Prefer not to answer'.

**CWADD2** (IF WLOC<>2) Do you know the exact street address or only the nearest cross-streets?

- 1 I know the full address
- 2 I know the cross-streets only →W2XSTR
- 8 I do not know the address or the cross-streets-POPUP2
- 9 I prefer no to answer-POPUP2

**WADDR2** [IF WLOC <> 2] What is the address of this secondary job?

[IF WLOC = 3] What is the address of the most recent secondary work location?

(WADDR2) Address:

(WSUIT2) Suite:

(WCITY2) City:

(WSTAT2) State:

(WZIP2) Zip Code

**WXTR3/ WXTR4** What are the nearest cross-streets to this secondary job?

Cross-street 1:

Cross-street 2:

POPUP1 Please keep in mind that work address information is required in order to participate in the survey. If you do not have this information on hand, that is fine. Please have at least the cross-streets of this work location by the time you enter your travel information the day after your travel day.

Please press 'NEXT' to continue



**WDAYS2** How many days a week [do you] [does this person] typically go to work at this address?  
[RANGE: 1 - 7]

Please enter the number of days.

- 8 I do not know
- 9 I prefer not to answer

**DISAB** [Do you] [Does this person] have a temporary or permanent physical condition or disability that makes it difficult to travel outside of the home?

- 1 Yes
- 2 No →TTRIP
- 8 I do not know →TTRIP
- 9 I prefer not to answer →TTRIP

**DTYPE** Which of the following conditions [do you] [does this person] have?

[PROGRAMMER NOTE: ONLY ALLOW UP TO 5 SELECTIONS]

Select all that apply.

- 1 Hearing impaired / deaf (serious difficulty hearing)
- 2 Sight impaired / blind (includes serious difficulty seeing even when wearing glasses)
- 3 [AGE>4 or AGE=DK/RF] Cognitive impaired, such as serious difficulty concentrating, remembering, or making decisions
- 4 [AGE>4 or AGE=DK/RF] Balance or respiratory impairment, such as difficulty walking or climbing stairs without difficulty
- 5 [AGE>4 or AGE=DK/RF] Difficulty dressing or bathing
- 6 [AGE>14 or AGE=DK/RF] Difficulty doing errands alone, such as visiting a doctor's office or shopping
- 7 Other condition that makes it difficult to travel outside your home
- 8 I do not know
- 9 I prefer not to answer

**DSLIC** [ASK IF AGE>15 OR IF AGEB<>1]: [Do you] [Does this person] have a California Disabled Person's License Plate or Placard, or a Disabled Veteran's License Plate?

- 1 Yes
- 2 No
- 8 I do not know
- 9 I prefer not to answer

**EDIS** [Are you] [Is this person] a registered user of special transit services for the elderly or disabled (Dial-a-Ride)?

- 1 Yes
- 2 No

- 8 I do not know
- 9 I prefer not to answer

**TTRIP** How many one-way trips (any) using transit did [you] [this person] make in the past week? A round trip counts as two one-way trips.

Please enter the number of one-way trips.

- 98 I do not know
- 99 I prefer not to answer

**TRNSUB** [IF TTRIP >0] Does [your] [this person's] employer or school pay for all or any part of [your] [this person's] transit fare?

- 1 Yes
- 2 No → WTRIP
- 8 I do not know → WTRIP
- 9 I prefer not to answer → WTRIP

**SUBAMT** How much do they pay for or subsidize?

[PROGRAMMER: ALLOW TWO DECIMAL PLACES]

Please enter dollar amount: \$ \_ \_ \_ \_ . \_ \_

Format Example: 2.00, 5.00, 20.00

[PROGRAMMER NOTE: ALLOW 2 DECIMAL PLACES]

**SUBUNT** [IF TTRIPS >0 and TRNSUB=1] And this is . . .

- 1 Per Hour
- 2 Per Day
- 3 Per Week
- 4 Per Month
- 5 Per Semester/Quarter
- 6 Per Year
- 7 Per Trip/Use
- 8 I do not know
- 9 I prefer not to answer

**WTRIP** In **the past week**, how many times did [you] [this person] take a walk outside, including walking the dog and walks for exercise? [RANGE: 0-50]

Please enter the number of walks taken in the past week.

- 98 I do not know
- 99 I prefer not to answer

**BTRIP** IF(HHBIC>0)In the past week, how many times did [you] [this person] ride a bicycle outside, including bicycling for exercise? [RANGE: 0-50]

Please enter the number of bicycle rides taken in the past week.

- 98 I do not know
- 99 I prefer not to answer

**STUDENT/EDUCATION**

**STUDE** [Are you] [Is he / she] currently enrolled in any type of school, including daycare, technical school, or university?

- 1 Yes, full-time
- 2 Yes, part-time
- 3 No →EDUCA
- 8 I do not know →EDUCA
- 9 I prefer not to answer →EDUCA

**SCHOL** What school grade or level [do you] [does this person] attend?

[PROGRAMMER NOTE: IF SCHOL=1, 2, 3, or 4 →AUTOFILL EDUCA=1]

- 01 Daycare → SNAME (→EDUCA=1)
- 02 Nursery school, preschool (→EDUCA=1)
- 03 Kindergarten to grade 8(→EDUCA=1)
- 04 Grades 9 to 12 (→EDUCA=1)
- 05 Technical / Vocational school
- 06 2-year college (community college)
- 07 4-year college or university
- 08 Graduate school / Professional
- 97 Other (please specify)
- 98 I do not know
- 99 I prefer not to answer

**SLOC** [IF SCHOL=2, 3, or 4] And [are you] [is he / she] home schooled?

- 1 Yes
- 2 No
- 8 I do not know
- 9 I prefer not to answer

**SONLN** [IF SCHOL=5, 6, 7, or 8] Please chose which of the following best describes where you attend school:

- 1 On campus only
- 2 Online only
- 3 Both on campus and online
- 8 I do not know
- 9 I prefer not to answer

**SNAME** [(IF STUDE=1 OR 2) AND (SLOC<>1 OR SONLN <>2)] What is the name of [your / his / her] school?

Please enter the school's name.

**CSADD** [(IF STUDE=1 OR 2) AND (SLOC<>1 OR SONLN <>2)] What is the address of [your / his / her] school?

- 1 I know the full address → SADDR
- 2 I know the cross-streets only
- 8 I do not know-POPUP3
- 9 I prefer not to answer-POPUP3

**SXST1/ SXST2** [(IF STUDE=1 OR 2) AND (SLOC<>1 OR SONLN <>2) AND CSADD=2] What are the nearest cross-streets of this school?

Cross-street 1:

Cross-street 2:

**SADDR** [(IF STUDE=1 OR 2) AND (SLOC<>1 OR SONLN <>2) AND CSADD=1] Please enter the address of this school.

(SADDR)Address:

(SSUIT)Suite:

(SCITY)City:

(SSTAT)State:

(SZIP)Zip Code:

**PRESCH** [ IF SCHOL = 1]

Is this location a...

- 1 Home of a relative / family member
- 2 Home of a friend
- 3 Private daycare center
- 7 Other (please specify) (O\_PRESCH)
- 8 I do not know
- 9 I prefer not to answer

**SMODE** [(IF STUDE = 1 OR 2) AND (IF SLOC<>1 OR SONLN<>2)]

How [do you] [does this person] normally get to school? That is, what method of travel is used for most of the distance?

NON-MOTORIZED TRAVEL:

- 01 Walk
- 02 Bike
- 03 Wheelchair / Mobility Scooter
- 04 Other Non-Motorized (Skateboard, etc.)

PRIVATE VEHICLE:

- 05 Auto / Van / Truck Driver
- 06 Auto / Van / Truck Passenger
- 07 Carpool / Vanpool
- 08 Motorcycle / Scooter / Moped

PRIVATE TRANSIT:

- 09 Taxi / Hired Car / Limo
- 10 Rental Car/Vehicle
- 11 Private shuttle (SuperShuttle, employer, hotel, etc.)
- 12 Greyhound Bus
- 13 Airplane
- 14 Other Private Transit
- PUBLIC TRANSIT:
- BUS:
- 15 Local Bus, Rapid Bus
- 16 Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc.)
- 17 Premium Bus (Metro Orange / Silver Line)
- 18 School Bus
- 19 Public Transit Shuttle (DASH, Emery Go-Round, etc.)
- 20 AirBART / LAX FlyAway
- 21 Dial-a-Ride / ParaTransit (Access Services, etc.)
- 22 Amtrak Bus
- 23 Other Bus RAIL/SUBWAY:
- 24 BART, Metro Red / Purple Line
- 25 ACE, Amtrak, Caltrain, Coaster, Metrolink
- 26 Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail
- 27 Street Car / Cable Car
- 28 Other Rail
- FERRY:
- 29 Ferry / Boat

- EDUCA**      What is the highest degree or level of school [you have] [this person has] completed?
- 1 Not a high school graduate, grade 12 or less (this also includes very young children)
  - 2 High school graduate (high school diploma or GED)
  - 3 Some college credit but no degree
  - 4 Associate or technical school degree
  - 5 Bachelor's or undergraduate degree
  - 6 Graduate degree (includes professional degree like MD, DDS, JD)
  - 7 Other (please specify) (O\_EDUCA)
  - 8 I do not know
  - 9 I prefer not to answer

AFTER THE PERSON ROSTER IS COMPLETE

**HPFLAG**      CALCULATED VARIABLE  
 HPFLAG = YES IF AND HISP =1  
 HPFLAG = NO OTHERWISE

6.0      Finalizing Recruitment

**INCA-INCOM** Household income not only allows us to verify that we are including all types of households across the state, but it also has been found to be related to the types of trips households typically make. With this in mind, please identify which category represents your total household income (total incomes for all persons living in the household) for last year.

- 1 \$0 to \$9,999
- 2 \$10,000 to \$24,999
- 3 \$25,000 to \$34,999
- 4 \$35,000 to \$49,999
- 5 \$50,000 to \$74,999
- 6 \$75,000 to \$99,999
- 7 \$100,000 to \$149,999
- 8 \$150,000 to \$199,999
- 9 \$200,000 to \$249,999
- 10 \$250,000 or more
- 98 I do not know
- 99 I prefer not to answer

**WRGPS** [IF GFLAG=1 AND IF AAGE2=1: Your household is qualified to participate in a GPS portion of this study. We are asking you and everyone in the household who is between the ages of 16 and 75 to wear a GPS device for three days in a row, starting on your assigned travel day. The GPS device allows us to collect information about not only where people travel, but also the actual path they take, which is useful for transportation planning.

To show our appreciation for your time and effort, we are offering each person who uses a GPS device \$25. To receive this payment, we ask that you use and return all GPS devices, and have all household members report their Travel Diary information (either online, by phone, or by mailing back your completed travel diaries).

We will ask you to wear or carry your GPS devices with you when you travel. The devices are small and easy to carry (you can clip them onto your belt, backpack, or purse). The devices collect details about the travel routes you take during your travel days. It is important to the study that households like yours participate.

- 1 Yes → CONTINUE
- 2 No → CWRGPS

**CWRGPS** Your household may still participate in the study by providing travel information in the diaries we will send you, but because you are electing not to participate in the GPS portion of the study, we will not be able to send you the incentive amount of \$<INAMT>.

Is this okay with you?

- 1 Cancel GPS portion and continue as diary only household-WRGP1
- 2 Agree to participate in GPS portion-CATSI
- 3 Refuse to continue survey-INT20

**WRGP1** [IF WRGPS=2] SET GTYPE = 3 AND CONTINUE AS NON-GPS

**VHGPS** [IF GFLAG=2 AND VEHOP>0]: Your household is qualified to participate in a GPS portion of this study. We will send a GPS device for each working vehicle and ask you to use the devices in each vehicle for seven days in a row, starting on your assigned travel day. The GPS device allows us to collect information about not only where people travel, but also the actual path they take, which is useful for transportation planning.

To show our appreciation for your time and effort, we are offering \$25 for each GPS device used and returned. To receive this payment, we ask that you use the GPS devices in all household vehicle for seven days, return the devices, and then report your household's Travel Diary information (either online, by phone, or by mailing back your completed travel diaries).

This means that your household will receive <INAMT> if you use and return all GPS devices sent to your household and provide valid travel diary information.

The devices are small and easy to place in your vehicle. They collect details of your travel routes during your travel days. It is important to the study that households like yours participate.

- 1 Yes → Continue
- 2 No → CVHGPS

**CVHGPS** Your household may still participate in the study by providing travel information in the diaries we will send you, but because you are electing not to participate in the GPS portion of the study, we will not be able to send you the incentive amount of \$<INAMT>.

Is this okay with you?

- 1 Cancel GPS portion and continue as diary only household-VHGP1
- 2 Agree to participate in GPS portion-CATSI
- 3 Refuse to continue survey-INT20

**VHGP1** [IF VHGPS=2] SET GTYPE = 3 AND CONTINUE AS NON-GPS

**VOBD** [IF GFLAG=3 AND VEHOP>0]: Your household is qualified to participate in a GPS portion of this study. We will send GPS devices and engine sensors for each working vehicle. We ask you to use these devices in each vehicle for seven days in a row, starting on your assigned travel day. These devices will allow us to collect information not only about where people travel, but also about how the vehicle itself is performing, which is useful for transportation planning, as well as fuel use and air quality research.

In appreciation of your time and effort, we are offering \$40 for each set of GPS and engine sensors used and returned. To receive this payment, we ask that you equip each working vehicle in your household with these devices for seven days, return the devices, and then report your household's Travel Diary information (either online, by phone, or by mailing back your completed travel diaries).

The devices are small and easy to place in your vehicle. They collect details of your travel routes and vehicle performance during your travel days. It is important to the study that households like yours participate.

The engine sensor will collect data about your vehicle that is not captured by the GPS devices. Most of this information is related to engine performance. This information will help the California Department of Transportation and your local transportation planning agencies better understand the relationship between travel and air quality in your area. Remember that any information we collect is used only for research purposes.

- 1 Yes → Continue
- 2 No → CVOBD

**CVOBD** Your household may still participate in the study by providing travel information in the diaries we will send you, but because you are electing not to participate in the GPS portion of the study, we will not be able to send you the incentive amount of \$<INAMT>.

Is this okay with you?

- 1 Cancel GPS portion and continue as diary only household-VOBDGP1
- 2 Agree to participate in GPS portion-CATSI
- 3 Refuse to continue survey-INT20

**VOBDGP1** [IF OBD=2] SET GTYPE = 3 AND CONTINUE AS NON-GPS

**INT20** These are all the questions we have for you today. We appreciate your cooperation with this important project and we may be contacting you soon to set up a travel day for you and your family.

Thanks very much. Have a good afternoon/evening.

Please press 'Next' to exit survey.

## 7.0 Household Roster, Part 2

IF CATSI1 (1.4) <> 2 "INTERNET," SKIP TO ASSN (7.1)
---

**CATSI** After your travel day, we will ask you to report details about the places you visited. Would you prefer to report them by telephone interview or via the website?

1-Telephone Interview



## 2-Web Interview

## 3-Mailback

### WEBRC

[If CATSI=2] We are glad you decided to participate in the survey using our project website. Here are a few details about participating in the survey.

The purpose of this study is to understand how, why, and when people travel. This information will help transportation planners improve car, bus, and train travel options, as well as air quality.

After you have completed this first part of the survey process, we will mail travel diaries for each household member to record your travel and activities on your assigned travel day. We will also ask one member of your household to complete a Long-Distance Travel Log to record all long-distance trips, those of 50-miles or more, made by any household member in the eight-weeks before your assigned travel day. Once you have completed your travel diaries and log, you can provide your travel information online, by phone, or by mailing back the completed travel diaries and log.

The project website is [www.catravelssurvey.com](http://www.catravelssurvey.com). You can use the same PIN to report your travel details online.

### LONGD

[If CATSI=1 or 3] We will mail travel diaries for each household member to record your travel and activities on your assigned travel day. We will also ask one member of your household to complete a Long-Distance Travel Log to record all long-distance trips, those of 50-miles or more, made by any household member in the eight-weeks before your assigned travel day.

**INCT3** [IF GTYPE > 1] If you choose to provide your travel information, we will send you a check for \$[INAMT] in appreciation of your time and participation.

### CASSN

[IF GTYPE=1] Thank you for agreeing to participate in this study. As mentioned earlier, understanding your household's travel and activities is important for improving transportation in your area.

We will send a GPS device for each [household member between the ages of 16 and 75] [household vehicle] and ask that you [wear] [use] the device for [three] [seven] consecutive days, starting on <DAY AND DATE>. We will also send a Travel Diary for each member of your household to record their travel and activities on <DAY AND DATE>.

1 Continue

[IF GTYPE>1] Understanding your household's travel and activities is important for improving transportation in your area. We will mail travel diaries for each household member to record your travel and activities on <ASSN>.

### INCT1

[IF GTYPE<1 AND INCEN=1] We are offering \$<INAMT> in appreciation of your efforts, but only if EVERYONE in your household completes a Travel Diary and reports their travel information by <ASSN + 10 days>. Once all travel information is complete and confirmed for EVERYONE in your household, we will mail you a check (please allow 8–10 weeks).

**INCT2**

[IF GTYPE<2] We are offering \$<INAMT> in appreciation of your efforts, but only if all GPS devices are used and returned as instructed, EVERYONE completes a Travel Diary, and EVERYONE reports their travel information by <ASSN + 10 days>. Once all GPS devices are returned and all travel information is complete and confirmed for EVERYONE in your household, we will mail you a check (please allow 8–10 weeks).

**CMADD**

In order to mail the survey materials to you, we need to confirm your mailing address.

[IF GTYPE=1 and GFLAG=1] The travel diaries and the GPS devices will be shipped to you within the next week. Use the travel diary on [ASSN] and the GPS devices from [ASSN] until [ASSN+3]. You can return the GPS devices when done using the FEDEX return envelope provided with the equipment.

[IF GTYPE=1and GFLAG=2] The travel diaries and the GPS devices will be shipped to you within the next week. Use the travel diary on [ASSN] and the GPS devices from [ASSN] until [ASSN+7]. You can return the GPS devices when done using the FEDEX return envelope provided with the equipment.

Please provide the address of the best place to deliver these items to you.

Post office boxes are not valid shipping addresses for FedEx.

(MADDR) Street Address:

(MSUIT) Suite:

(MCITY) City:

(MSTAT) State:

(MZIP) Zip:

[IF GTYPE>1] The travel diaries will be shipped to you within the next week. After your travel day, you can return the diaries by using the return envelope provided in the packet.

Is this the best address that we can mail you your diaries?

(MADDR) Street Address:

(MSUIT) Suite:

(MCITY) City:

(MSTAT) State:

(MZIP) Zip:

Is this correct?

**HHNME**

To whom should we address the envelope?

PROGRAMMING NOTE: IMPORT FNAME AND LNAME COLLECTED EARLIER AND CONFIRM LISTED NAME. IF NULL OR INCORRECT COLLECT NEW.

FIRST NAME(RESFP): \_\_\_\_\_ LAST NAME(RESPL): \_\_\_\_\_

- REMNI** Please note that you will be contacted on the day before your travel day to remind you about your travel day and to provide you with additional instructions about participating. Would you prefer to be contacted by phone, text message, or email?
- 1 Phone
  - 2 Text message → RMTXT
  - 3 Email → RMEML
- RMPHN** What phone number should we use for reminder messages?
- Please enter phone number. → CBACK
- RMTXT** What cell phone number should we use to send reminder text messages?
- Please enter cell phone number. → CBACK
- RMEML** What email address should we use to send reminder email messages?
- Please enter email address.
- CBACK** When we call to collect your travel information after your travel day, we will not ask to speak with anyone younger than 16 years old, but we would like to ask about his or her travel. Who would be the best person to give that information?
- THANK** This concludes the first part of the California Household Travel Survey. Thank you for taking the time today to complete this survey. We appreciate your willingness to provide the details that will help improve transportation options and air quality in California.
- You should be receiving your travel diaries soon. Please tell the other members of your household how important their participation is for the success of this study.
- If you have any questions or comments, call our toll-free survey hotline at 1-877-261-4621 to speak with a survey representative. Thank you and have a great day!

## Appendix D: Reminder Script and Retrieval Questionnaire – CATI; Reminder Script Text and Email Messages

Acronym Dictionary

DON'T KNOW = Don't Know

REFUSE = Refusal

NA = Not applicable

GTYPE = 1 GPS Sample

GTYPE = 2 Non-GPS Sample  
GTYPE = 3 Refused or Disqualified from GPS  
GFLAG = 1 Wearable GPS  
GFLAG = 2 In-vehicle GPS  
GFLAG = 3 In-vehicle OBD

### **Reminder Script**

*Quest Number* <<\$Q>>

*Sample Number:* «SAMPN»

*Telephone #:* «PHONE»

PIN Number: <<PINNO>>

[www.californiatravelssurvey.com](http://www.californiatravelssurvey.com) or [www.catravelssurvey.com](http://www.catravelssurvey.com)

INT            Hi, this is \_\_\_\_ with the California Household Travel Survey. May I speak to  
<RESPF> <RESPL>?

[IF RESPONDENT ON PHONE] I was just calling to remind you that your household will be participating in the California TravelSurvey and also to see if you had any questions about the study. Please keep in mind that each member of your household must record all their trips and activities on <ASSN>. This will help improve transportation in your area.

[INTERVIEWER NOTE] RECRUITED ON [Recruit CM Day] at\_ [Recruit Time]\_\_\_\_

[INTERVIEWER NOTE] ASSN:\_\_\_\_\_

RC CONTINUE → Skip to PACKT  
RN NO ANSWER  
RZ BUSY  
RA ANSWERING MACHINE  
IM COMPUTER/FAX MACHINE  
IG BUSINESS/GOVERNMENT  
ID DISCONNECT  
PM CALLER ID  
RR REMINDER REFUSAL→SKIP TO REFU THEN WHOREFUSE  
RH HUNG UP (W/O A WORD)  
WN WRONG NUMBER (NEED TO RESEARCH)  
WV RESPONDENT HAS MOVED

WC RESP WILL CM ONLINE →SKIP TO PACKT  
RT RESCHEDULE, CALLBACK  
RM RESCHEDULE, REMAIL

PRNGP – Variations:

1. Non-GPS – GTYPE>1
2. Wearable - GTYPE=1 and GFLAG=1
3. Vehicle GPS - GTYPE =1 and GFLAG=2
4. OBD GPS - GTYPE =1 and GFLAG=3

LM SCRIPT

ALL: Hello, my name is \_\_ and I'm calling on behalf of Caltrans, regarding the Travel Survey your household is participating in on <ASSN>.

REMINDER CALLS: I am calling to remind you that tomorrow is the day that each member of your household will record their trips in the travel logs we sent. We are offering <INAMT> if everyone in the household completes the study by <ASN10>, so please do not recycle your travel logs until we call you to retrieve your travel information. If you have any questions please call 1-888-223-6234.

RETRIEVAL CALLS (YOU LEAVE MESSAGES ONLY WHEN YOU CALL A KB/KA AND NO ONE IS THERE): We are following up on the call we scheduled earlier to go over your household's travel survey. Please give us a call to report your trip information. Our number is 1-888-223-6234. Remember we are offering \$<INAMT> if everyone in your household gives valid travel information by <ASN10>. Thank you.

- PACKT      [IF PRNGP=1] Did your household receive the travel diaries and long distance log packet that we sent to you?
- [IF PRNGP=2] Did your household receive the packet containing travel diaries, the long distance log and the wearable GPS devices that we sent to you?
- [IF PRNGP=3] Did your household receive the packet containing travel diaries, the long distance log and GPS devices that we sent to you?
- [IF PRNGP=4] Did your household receive the packet containing travel diaries, the long distance log and the GPS and engine sensor devices that we sent to you?
- 1    YES →SKIP TO ANYQU
  - 2    NO

INT04      [IF PACKT=2] Your participation is very important, could you download your diaries and long distance log from the project website?

The site address is: [www.catravelssurvey.com](http://www.catravelssurvey.com) or [www.californiatravelssurvey.com](http://www.californiatravelssurvey.com)

[INTERVIEWER NOTE] IF RESPONDENT CAN'T DOWNLOAD FROM WEBSITE: We suggest jotting down the places you go that day, including complete addresses, and accurate arrival and departure times, as well as how you got there and the activities you did when you arrived .

[INTERVIEWER NOTE] IF NEEDED, RESCHEDULE: Would you like to reschedule your travel day? Let me set up a new travel day for your home.

[INTERVIEWER NOTE] SELECT "RT". IF NEEDED, REMAIL: SELECT "RM". ALLOW 7 DAYS FOR MATERIALS TO BE PROCESSED AND MAILED OUT.

[INTERVIEWER NOTE] IF REFUSE: Let me assure you that your information is confidential and used only for research purposes.

[INTERVIEWER NOTE] IF NEEDED: We would really like to include your household in this important project.

[INTERVIEWER NOTE] IF NEEDED, RESCHEDULE. USE RM DISPOSITION AND ALLOW 7 DAYS FOR MATERIALS TO BE PROCESSED AND MAILED OUT]

[PROGRAMMER NOTE: ALLOW REMAILS FOR FULL STUDY ONLY]

[INTERVIEWER NOTE] IF REFUSE: Let me assure you that your information is confidential and used only for research purposes. IF NEEDED: We would really like to include your household in this important project. Let me set up a new survey day for your home. SELECT "RM".

RC CONTINUE → SKIP TO ANYQU

RT RESCHEDULE → ASSN → CB

RM CANNOT DOWNLOAD, REMAIL →VERIFY MADDR

RF FINAL REFUSAL

[PROGRAMMER NOTE: RESCHEDULE ASSN IF REMAIL]

## PRN16 – Variations

1. Non-GPS – GTYPE>1
2. Wearable - GTYPE=1 and GFLAG=1
3. Vehicle GPS - GTYPE =1 and GFLAG=2
4. OBD GPS - GTYPE =1 and GFLAG=3

ANYQU

[IF PRN16=1] Do you have any questions about the diaries or what we're asking you to do?

Just to reiterate, we would like everyone in the household to record where they go on <ASSN>. Each person should have received a diary to enter what places they visit or stops they make, including complete addresses, and accurate arrival and departure

times, as well as how they got there and the activities you did when you arrived. There is also a long distance log to record trips over 50 miles made in the previous eight weeks.

[INTERVIEWER NOTE] IF NEEDED: This information will be kept confidential and will be used to improve transportation planning in the area.

IF PRN16=2 Do you have any questions about the travel diaries, long distance log or GPS devices or what we're asking you to do?

Just to reiterate, we would like everyone who received a GPS device to carry or wear it throughout the day for three consecutive days starting on <ASSN>. Each member of your household should also use the diaries provided to enter what places they visit or stops they make and the activities they did during the course of the day on <ASSN>. Please include complete addresses, and accurate arrival and departure times, as well as how they got to each place and the purpose of the trip.

[INTERVIEWER NOTE] IF NEEDED: This information will be kept confidential and will be used to improve transportation planning in the area.

[INTERVIEWER NOTE] IF NEEDED: The GPS study allows us to not only collect where people are traveling to, but the actual path taken, which is very useful in transportation planning.

IF PRN16=3 Do you have any questions about the GPS devices or the travel diaries or the long distance log and what we're asking you to do?

Just to reiterate, you will place one GPS device in each assigned vehicle for seven consecutive days beginning on <ASSN>. Each member of your household should also use the diaries provided to enter what places they visit or stops they make during the course of the day on <ASSN>. Please include complete addresses, and accurate arrival and departure times, as well as how they got to each place and the purpose of the trip.

[INTERVIEWER NOTE] IF NEEDED: This information will be kept confidential and will be used to improve transportation planning in the area.

[INTERVIEWER NOTE] IF NEEDED: The GPS study allows us to not only collect where people are traveling to, but the actual path taken, which is very useful in transportation planning.

IF PRN16=4 Do you have any questions about the GPS and engine sensor devices or the travel diaries and the long distance log and what we're asking you to do?

Just to reiterate, you will place one GPS device and one engine sensor in each assigned vehicle for seven consecutive days beginning on <ASSN>. Each member of your household should also use the diaries provided to enter what places they visit or stops they make during the course of the day on <ASSN>. Please include complete addresses, and accurate arrival and departure times, as well as how they got to each place and the purpose of the trip.

[INTERVIEWER NOTE] IF NEEDED: This information will be kept confidential and will be used to improve transportation planning in the area.

[INTERVIEWER NOTE] IF NEEDED: The GPS allows us to not only collect where people are traveling to, but the actual path taken, which is very useful in transportation planning. The engine sensor tells us about how the vehicle itself is performing, which is useful for fuel use and air quality research.

RCATSI            Once you have completed recording your travel details, you previously indicated you would prefer to do the final interview by <CATSI>. Is that still your preference?

[PROGRAMMER NOTE: DISPLAY TEXT OF CATSI RECALL RATHER THAN CODE]

- 1    Telephone interview
- 2    Online
- 3    Mail

RINCE            [IF INCEN=1] Just a reminder, your household is being offered \$<INAMT> if EVERYONE in the household completes the study with valid travel information by <ASN10>, we will send your household a check for \$<INAMT> in the next 8-10 weeks.

- 1    CONTINUE

PRNCB – Variations

1. CATSI=1 and GTYPE=1
2. CATSI=1 and GTYPE>1
3. CATSI=2 and GTYPE=1[CALBC]
4. CATSI=2 and GTYPE>1
5. CATSI=3 AND GTYPE=1
6. CATSI=3 AND GTYPE>1

[IF PRNCB=1] After your household records your diary information, we'll call you back. Ideally, we would like to speak with you, but if not, we'd like to speak to someone age 18 or older who has all of the household diaries available and is able to coordinate and deliver the information on behalf of the household. What is the best time of day to reach you?

[INTERVIEWER NOTE] SET UP CALLBACK THE DAY AFTER TRAVEL IF POSSIBLE

Thank you very much for your participation in this important study. Please hang on to your survey materials INCLUDING THE TRAVEL DIARIES AND LONG DISTANCE LOG until we call you to retrieve your travel information. Once we've collected your travel details, you may recycle or retain them for your records. You should continue to use your GPS [and engine sensor [IF GFLAG=3]] devices for <X based on GLFAG> days after that.



Have a great day/evening!

[PROGRAMMER NOTE: ADD PROJECT WEBSITE AND PINNO AT THIS SCREEN]

[IF PRNCB=2] After your household records travel information, we'll call you back. Ideally, we would like to speak with you, but if not, we'd like to speak to someone age 18 or older. What is the best time of day to reach you?

[INTERVIEWER NOTE] SET UP CALLBACK THE DAY AFTER TRAVEL IF POSSIBLE

Thank you very much for your participation in this important study. Please hang on to your survey materials INCLUDING THE TRAVEL DIARIES AND LONG DISTANCE LOG until we call you to retrieve your travel information. Once we've collected your travel details, you may recycle or retain them for your records.

Have a great day/evening!

[PROGRAMMER NOTE: ADD PROJECT WEBSITE AND PINNO AT THIS SCREEN]

[IF PRNCB=3] After your travel date is complete, please log into the survey website to report your household travel information. If possible, you should schedule a time on <BGDAT> to do this.

Thank you very

much for your participation in this important study. Please hang on to your survey materials INCLUDING THE TRAVEL DIARIES AND LONG DISTANCE LOG until the time when you log in to report your travel information. Once you have reported your data you may recycle or retain the materials for your records. You should continue to use your GPS [and engine sensor [IF GFLAG=3]] devices for <X based on GFLAG> days after that.

Have a great day/evening!

[PROGRAMMER NOTE: ADD PROJECT WEBSITE AND PINNO AT THIS SCREEN]

[IF PRNCB=4] After your travel date is complete, please log into the survey website to report your household travel information. If possible, you should schedule a time on <BGDAT> to do this.

Thank you very much for your participation in this important study. Please hang on to your survey materials INCLUDING THE TRAVEL DIARIES AND LONG DISTANCE LOG until the time when you log in to report your travel information. Once you have reported your data you may recycle or retain the materials for your records. Have a great day/evening!

[IF PRNCB=5] Thank you very much for your participation in this important study. When you have completed your diaries, please use the postage paid envelope we have

provided to mail your diaries back to us as soon as possible. You should continue to use your GPS [and engine sensor [IF GFLAG=3]] devices for <X based on GFLAG> days after that. Have a great day/evening!

[IF PRNCB=6] Thank you very much for your participation in this important study. When you have completed your diaries, please use the postage paid envelope we have provided to mail your diaries back to us as soon as possible. Have a great day/evening!

[PROGRAMMER NOTE: ADD PROJECT WEBSITE AND PINNO AT THIS SCREEN]

STRENGTH [IF DISPO=RC, RW, RE, RT OR RM] Did the respondent understand what we are asking them to do and why?

1. YES-HOUSEHOLD WAS A STRONG RECRUIT
2. NO-RESPONDENT HAD NO IDEA OR WRONG IDEA ABOUT THE PROJECT-WEAK RECRUIT

[INTERVIEWER NOTE: USE 2 WHEN THERE IS ENOUGH INDICATION THAT THE HOUSEHOLD WAS POORLY RECRUITED.]

REFU1 [IF DISPO=RR] WHY DID RESPONDENT REFUSE?

01 TIME ISSUES

02 NOT INTERESTED IN TOPIC

03 INTERVIEW TOO LONG

04 SUSPICIOUS OF NUSTATS OR SURVEY

05 DON'T FEEL THEIR INFORMATION IS VALUABLE

06 RESPONDENT DID NOT GET MATERIALS

07 PROJECT WAS NOT EXPLAINED PROPERLY

08 DID NOT WANT TO PROVIDE INFO FOR REST OF HOUSEHOLD

09 HAD WEBSITE ISSUES AND DID NOT WANT TO COMPLETE BY PHONE

10 DID NOT KNOW THERE WAS A SECOND PHASE

11 PROJECT IS TOO PERSONAL

97 OTHER SPECIFY

WHOREFUSE [IF DISPO=RR , REFUSE, R1 OR R2] WHO REFUSED?

REFUS  
REFUSING

1. MAIN RESPONDENT (PERSON 1)
2. OTHER ADULT MALE
3. OTHER ADULT FEMALE

[IF DISPO=REFUSE] ENTER THE REASON THIS RESPONDENT IS

1. RESPONDENT YELLING
2. RESPONDENT USING PROFANITY
3. RESPONDENT THREATENING
4. INBOUND REFUSAL
5. RESPONDENT ASKED TO BE TAKEN OFF THE LIST
7. OTHER SPECIFY
8. DON'T KNOW

### **Retrieval Script**

#### 1.0 Introduction

INT02 Hi, this is \_\_\_\_\_ from the California Household Travel Survey conducted on behalf of Caltrans. We recently spoke with <RESPF> <RESPL>and are calling back to conduct the interview he/she agreed to complete a few days ago. May I please speak with <RESPF>?

Earlier we spoke with you about the Caltrans travel survey and asked you and your household to record your travel and activities on <ASSN>. We are calling to collect your household's travel information today.

1 HAVE RESPONDENT [A]

2 RESPONDENT NOT AVAILABLE [B]

A [INTERVIEWER NOTE] IF HH IS ELIGIBLE FOR INCENTIVE. Just a reminder, your household is being offered <INAMT> to thank you for your participation in this study. If EVERYONE in the household completes the study with valid travel information, we will send your household <INAMT> in the next 8-10 weeks.

B. [INTERVIEWER NOTE] SCHEDULE CALL BACK. When would be a better time to reach <RESPF>?

[PROGRAMMER NOTE RECALL FOLLOWING INFORMATION ON SCREEN]  
CURRENT PHONE #:

ALTERNATE PHONE NUMBER:

QUEST #:

SAMPLE #:

CB NAME:

COUNTY:

INCENTIVE:

INCENTIVE OFFERED:

GPS: YES/NO

PROJECT WEBSITE: [www.catravelssurvey.com](http://www.catravelssurvey.com) or [www.californiatravelssurvey.com](http://www.californiatravelssurvey.com)

PINNO:

Recruited on a (Day of the week) at (*Time*):

ASSN:

OK CONTINUE

CE ENTERING A MAIL-IN

ML RESPONDENT WILL MAIL IN LOGS

HM RESPONDENT HAS MAILED IN LOGS

WC RESPONDENT WILL COMPLETE  
ONLINE(ONLY CHOOSE IF THEY  
PROMISE TO GO ONLINE)  
[PROGRAMMER NOTE: IF SELECTED, GO  
TO POP-UP SCREEN WHERE  
INTERVIEWER CAN READ WEBSITE AND  
PINNO]

LR LOGS RECEIVED [FLAG LRFLG=1]

NA NO ANSWER

BZ BUSY

AM ANSWERING MACHINE

LM LEFT MESSAGE→ SKIP TO LM SCRIPT  
[FLAG LMFLG=1]

ID DISCONNECT

IM COMPUTER/FAX MACHINE

IG BUSINESS/GOVERNMENT

PM CALLER ID

IW WRONG NUMBER, NEED TO RESEARCH

KB SPECIFIC CALLBACK

KH GENERAL CALLBACK

K5 CALL BACK IN 5 MINUTES

KX PROXY PARTIAL

KN NEW NUMBER (HAVE NEW NUMBER)

R1 1ST REFUSAL →SKIP TO REFU1,  
WHOREFUSE  
[FLAG R1FLG=1]

RH HUNG UP (W/O A WORD)

PT LARGE HH MISSING TRAVEL FOR AT  
LEAST 1 PERSON

RT RESCHEDULE, CALLBACK→SKIP TO  
ASSNS [FLAG RTFLG=1]

RM RESCHEDULE, REMAIL→SKIP TO ASSNM  
[FLAG RMFLG=1]

SH GENERAL SPANISH CALLBACK

SB SPECIFIC SPANISH CALLBACK

SN SPANISH NO ANSWER  
SA SPANISH ANSWERING MACHINE  
SZ SPANISH BUSY  
CP PARTIAL COMPLETE  
SP SPANISH PARTIAL COMPLETE  
RP PARTIAL REFUSAL  
QO OVER QUOTA

ASSN [PROGRAMMER NOTE: PASTE THIS VARIABLE IN FROM A RECENT PROGRAM]

ASSNM [PROGRAMMER NOTE: PASTE THIS VARIABLE IN FROM A RECENT PROGRAM]

REFU1 [IF DISPO=RR or R1] WHY DID RESPONDENT REFUSE?

01 TIME ISSUES

02 NOT INTERESTED IN TOPIC

03 INTERVIEW TOO LONG

04 SUSPICIOUS OF NUSTATS OR SURVEY

05 DON'T FEEL THEIR INFORMATION IS VALUABLE

06 RESPONDENT DID NOT GET MATERIALS

07 PROJECT WAS NOT EXPLAINED PROPERLY

08 DID NOT WANT TO PROVIDE INFO FOR REST OF HOUSEHOLD

09 HAD WEBSITE ISSUES AND DID NOT WANT TO COMPLETE BY PHONE

10 DID NOT KNOW THERE WAS A SECOND PHASE

11 PROJECT IS TOO PERSONAL

97 OTHER SPECIFY

WHOREFUSE [IF DISPO=RR , REFUSE, R1] WHO REFUSED?

1. MAIN RESPONDENT (PERSON 1)
2. OTHER ADULT MALE
3. OTHER ADULT FEMALE

PROGRAMMER NOTE: SHOW TEXT IF HOUSEHOLD QUALIFIES FOR INCENTIVE.  
<INCEN>/<INAMT>

SCPT0 IF NOT<RESPF><RESPL>, SELECT RESPONDENT'S NAME FROM LIST

SCPT1 Last week, we spoke with you about the travel survey and asked you to record your travel on <ASSN>. We would like to collect your trip information now.

VADD Let's start by verifying the address where you live. Our records show that your address is:

[PROGRAMMER NOTE: RECALL INFORMATION FROM RECRUITMENT FOR INTERVIEWER TO REFERENCE]

Name:<RESPF> <RESPL>

Address:<ADDRESS>

Suite/Apt #:<HSUIT/APT>

City:<CITY>

State: <STATE>

Zip: <ZIP CODE>

Travel Day: <TDAY>

ASSN: <ASSN>

DIARY ROSTER

CMPLG Did <NAME> complete their travel diary?

[PROGRAMMER NOTE: ASK OF ALL]

- 1 YES (COMPLETED)
- 2 NO (NOT COMPLETED) → TTBT
- 3 DID NOT RECEIVE MATERIALS → TTBT
- 8 DON'T KNOW → TTBT
- 9 REFUSE → TTBT

HVLOG Do you have the completed diary to refer to?

[(PROGRAMMER NOTE: ASK IF CMPLG=1)]

- 1 YES
- 2 NO
- 9 REFUSED

INCOM

[IF RECRUITMENT INCOM=99 or 98] And to make sure your household properly represents others in the region, can you pick the option from the following categories which best represents your total household income last year? We understand if you feel uncomfortable answering this question. However, we only ask about income to ensure all households are equally represented in our survey.

IF NEEDED: Income has been found to be related to the types of trips households make, and we need to make sure we get information for all types of trips and income levels.

- 01 \$0 to \$9,999
- 02 \$10-,000 to \$24,999
- 03 \$25,000 to \$34,999
- 04 \$35,000 to \$49,999
- 05 \$50,000 to \$74,999
- 06 \$75,000 to \$99,999
- 07 \$100,000 to \$149,999
- 08 \$150,000 to \$199,999
- 09 \$200,000 to \$249,999
- 10 \$250,000 or more
- 98 DON'T KNOW
- 99 REFUSE

**[PROGRAMMER NOTE; HABITUAL ADDRESSES (HOME, WORK, SCHOOL) VERIFIED IN TRIPBUILDER]**

TTBUT

[INTERVIEWER NOTE] CLICK ON LINK TO LAUNCH TRIPBUILDER

[INTERVIEWER NOTE] REGARDING LARGE RELATED HHS WITH 4+ PERSONS . . . NO MORE THAN 10% MISSING TRAVEL FOR ONE PERSON.

[INTERVIEWER NOTE] REGARDING LARGE RELATED HHS WITH 5+ PERSONS . . . NO MORE THAN 10% MISSING TRAVEL FOR TWO PERSONS.

[INTERVIEWER NOTE] REGARDING UNRELATED HHS . . . TRAVEL INFORMATION WILL BE COLLECTED FOR THE PERSON THAT PARTICIPATED IN REC AND FOR AS MANY OF THE OTHER HH MEMBERS AS POSSIBLE.



[INTERVIEWER NOTE] OBTAIN DETAILS FOR ALL TRIPS, EVEN THOSE THAT ARE WORK-RELATED OR FOR WORK PURPOSES EXCEPT WHEN THE JOB IS DELIVERY (I.E. UPS DRIVER, THEN COLLECT TRIPS TO AND FROM MAIN WORK LOCATION)

#### TRIP ROSTER

Ok, thank you for verifying your address. Next, we will ask you to provide details about the trip and activity information that your household recorded for your travel day.

INTRV            [INTERVIEWER NOTE] SELECT THE PERSON YOU ARE SPEAKING WITH. INDICATE IF TRIP INFORMATION IS BEING PROVIDED BY THE INFORMANT OR BY PROXY

- 1    INFORMANT
- 2    PROXY

PROXY            [IF PROXY=2] Who am I speaking with?

RECORD RESPONDENT NAME

We will now use an interactive mapping tool to map your home, work and school locations.

## 2.0    Trip Information

PTYPE            We will now use a similar tool to collect information about the places you visited on your assigned travel day. IF PLACE 1: Okay, where were you at 3 am on [ASSN]? OTHERWISE: Where did you go next?

- 1    Home
- 2    Primary Job
- 3    School
- 4    Second Job
- 5    Transit Stop
- 7    Other Place (Specify) (O\_PTYPE)

[PROGRAMMER NOTE: DISPLAY AS NOTE IN TBW] If you made any stops before your next destination (such as to stop for fuel, pick up food, or to pick up drop off someone), these will be added as separate places.

PNAME            [PTYPE=4, 5, 7] Now, let's talk about the locations [you/this person] were at on your travel day. Where were [you/was this person] at 3 a.m. on [ASSN]?

OTHERWISE: Where did you go next?

RECORD PLACE NAME

ADDRESS INFORMATION CAPTURED IN TRIPBUILDER

[INTERVIEWER NOTE] PLACE NAME SHOULD INCLUDE INFORMATION DESCRIBING THE PLACE IF IT IS UNCERTAIN. EXAMPLE: "NOVEL IDEAS" SHOULD BE "NOVEL IDEAS BOOKSTORE". ASK "WHAT TYPE OF PLACE IS THIS?" IF YOU DO NOT KNOW THE TYPE OF THE PLACE

ADDR [PTYPE=4, 5, 7] What is the street address of that place?

RECORD RESPONSE

CITY [INTERVIEWER NOTE] ONLY ASK IF NOT PREVIOUSLY GEOCODED IN TRIPBUILDER:

And the city?

RECORD RESPONSE

STATE [INTERVIEWER NOTE] ONLY ASK IF NOT PREVIOUSLY GEOCODED IN TRIPBUILDER

Is that in California?

RECORD RESPONSE

ZIP [INTERVIEWER NOTE] ONLY ASK IF NOT PREVIOUSLY GEOCODED IN TRIPBUILDER:

Do you know the zip code?

RECORD RESPONSE

ARRTM What time did you/this person arrive at this place?

RECORD IN MILITARY TIME

TRPDUR [PROGRAMMER NOTE: TRIP DURATION CALCULATED]

ACTDUR [PROGRAMMER NOTE: ACTIVITY DURATION CALCULATED]

MODE How did you/this person get there?

NON-MOTORIZED TRAVEL:

- 01 Walk
- 02 Bike
- 03 Wheelchair / Mobility Scooter
- 04 Other Non-Motorized (Skateboard, etc)

PRIVATE VEHICLE:

- 05 Auto / Van / Truck Driver
- 06 Auto / Van / Truck Passenger
- 07 Carpool / Vanpool
- 08 Motorcycle / Scooter / Moped

PRIVATE TRANSIT:

- 09 Taxi / Hired Car / Limo
- 10 Rental Car/Vehicle
- 11 Private shuttle (SuperShuttle, employer, hotel, etc.)
- 12 Greyhound Bus
- 13 Airplane
- 14 Other Private Transit
- PUBLIC TRANSIT:
- BUS:
- 15 Local Bus, Rapid Bus
- 16 Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc.)
- 17 Premium Bus (Metro Orange / Silver Line)
- 18 School Bus
- 19 Public Transit Shuttle (DASH, Emery Go-Round, etc.)
- 20 AirBART / LAX FlyAway
- 21 Dial-a-Ride / ParaTransit (Access Services, etc.)
- 22 Amtrak Bus
- 23 Other Bus RAIL/SUBWAY:
- 24 BART, Metro Red / Purple Line
- 25 ACE, Amtrak, Caltrain, Coaster, Metrolink
- 26 Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail
- 27 Street Car / Cable Car
- 28 Other Rail
- FERRY:
- 29 Ferry / Boat

[PROGRAMMER NOTE: IF MODE=15-4-29 EXCEPT FOR 18 & 21, THEN TRANSIT ON AND OFF NEED TO BE RECORDED AS SEPARATE PLACES]

[INTERVIEWER NOTE: DON'T KNOW/REFUSE INVALID – MUST HAVE MODE]

VEHNO [IF MODE = 5, 6, 7, 8 ] Which vehicle did you/this person use?

[PROGRAMMER NOTE: STORE 97 IF MODE=10]

ENTER VEHNO: \_\_\_\_\_

- 97 Non-household vehicle
- 98 DON'T KNOW
- 99 REFUSED

PARTY [IF MODE = 5, 6, 7 8, OR 10] How many other people were travelling with you?

RECORD NUMBER [RANGE: 0 - 15]

- 98 DON'T KNOW
- 99 REFUSE

HHMEM [IF MODE = 5, 6, 7, 8, OR 10 AND IF PARTY>1 AND LESS THAN97] Of these, how many were household members?

RECORD NUMBER [RANGE: 0 - 15]

98 DON'T KNOW

99 REFUSE

PERTP [IF MODE = 5, 6, 7, 8, OR 10 AND IF HHMEM >0 AND LESS THAN 97] Who were the household members?

[ENTER ALL PERNOS]

98 DON'T KNOW

99 REFUSE

DYGOV [IF MODE=05, 06, 07, 08 or10 AND PTYPE <>01] Did you/this person park vehicle at this place?

1 YES

2 NO → GO TO TRANSYS

8 DON'T KNOW

9 REFUSE

PROGRAMMER NOTE: IF MODE = 05, 08 OR 10 AND DYGOV = 1 AND PTYPE <> 1, ASK PRKTY THROUGH EMPARK, OTHERWISE, SKIP TO TRANSYS

PRKTY Which of the following best describes the place where you/this person parked?

- 1 At this location
- 2 Off site parking lot
- 3 Off site parking garage
- 4 Street
- 5 Driveway / Personal Garage
- 6 OTHER (SPECIFY) (O\_PRKTY)
- 8 DON'T KNOW
- 9 REFUSE

PXSTR [IF PRKTY=2 ,3, OR 4] Where is the parking lot, parking garage, or on street parking located? [COLLECT ADDRESS]

\_\_\_\_\_

<PXXST> OR NEAREST INTERSECTION [NOTE: ONLY ADDRESS OR INTERSECTION (CROSS STREET 1 & CROSS STREET2), NOT BOTH]

\_\_\_\_\_

<PXCITY> In which city did you park?

\_\_\_\_\_

PRKMIN [IF PRKTY>1] How many minutes did it take you/this person to walk from the parking location to your destination?

RECORD MINUTES [RANGE: 0 - 60]

98 DON'T KNOW

99 REFUSE

PAYPK [MODE=05 AND PTYPE<>1 AND DYGOV=1 AND PRKTY = 2, 3 OR 4] Did you pay to park?

1 YES

2 NO → APURP

8 DON'T KNOW → APURP

9 REFUSE → APURP

PKAMT How much did you/this person pay to park?

RECORD RESPONSE [FORMAT: \_ \_ \_ . \_ \_ ]

[INTERVIEWER NOTE] ENTER 9999.99IF RESPONDENT DOESN'T KNOW THE AMOUNT

PKUNT Was the cost per:

1 Hour

2 Day

3 Week

4 Month

5 Quarter

6 Semester

7Year

8 DON'T KNOW

9 REFUSE

PRKHW How did you/this person pay for parking?

1 CASH/CREDIT/DEBIT CARD

2 PRE-PAID PARKING PASS

3 EMPLOYER PROVIDED PARKING PASS

7 OTHERRECORD RESPONSE (O\_PRKHW)

8 DON'T KNOW

9 REFUSE

EMPARK [IF EMPLOY=1] How much did you/this person pay out of pocket to park that was not reimbursed by your/their employer?

RECORD RESPONSE [FORMAT: \_ \_ \_ . \_ \_ ]

[NOTE TO INTERVIEWER: ENTER 999.99 IF RESPONDENT DOESN'T KNOW THE AMOUNT]

PROGRAMMER NOTE: IF MODE=15-28 , BUT NE 18 (SCHOOL BUS) ASK TRANSYS TO ROUTE, ELSE GO TO ACTNO

TRANSYS           What was the name of the transit system you used?  
PROGRAMMER NOTE: LIST OF TRANSIT SYSTEMS BY REGION/COUNTY --ALL 9 MTC COUNTIES TO HAVE SAME LIST  
97 OTHER: SPECIFY (O\_TRANSYS)  
98 DON'T KNOW  
99 REFUSE

ROUTE            [IF MODE<>21 ] What was the route or line number or name?

RECORD NUMBER or NAME  
98     DON'T KNOW  
99     REFUSE

PROGRAMMER NOTE: START OF ACTIVITY ROSTER – ASK UP TO THREE ACTIVITIES AT EACH LOCATION]ACTNO           ACTIVITY NUMBER—UP TO THREE AT EACH LOCATION

APURP            Now, I'd like to talk about the activities [you/he/she] conducted at this location. Once you arrived, what activities did you/he/she do here? (Up to three)?  
AT MY HOME [SHOW IF PTYPE = 1]  
1    PERSONAL ACTIVITIES (SLEEPING, PERSONAL CARE, LEISURE, CHORES)  
2    PREPARING MEALS/EATING  
3    HOSTING VISITORS/ENTERTAINING GUESTS  
4    EXERCISE (WITH OR WITHOUT EQUIPMENT)/PLAYING SPORTS  
5    STUDY / SCHOOLWORK  
6    WORK FOR PAY AT HOME USING TELECOMMUNICATIONS EQUIPMENT  
7    USING COMPUTER/TELEPHONE/CELL OR SMART PHONE OR OTHER COMMUNICATIONS DEVICE FOR PERSONAL ACTIVITIES  
8    ALL OTHER ACTIVITIES AT MY HOME  
AT MY PRIMARY WORK/VOLUNTEER LOCATION [ SHOW IF PTYPE = 2 OR 4]  
9    WORK/JOB DUTIES  
10   TRAINING  
11   MEALS AT WORK  
12   WORK-SPONSORED SOCIAL ACTIVITIES (HOLIDAY OR BIRTHDAY CELEBRATIONS, ETC)  
13   NON-WORK RELATED ACTIVITIES (SOCIAL CLUBS, ETC)  
14   EXERCISE/SPORTS  
15   VOLUNTEER WORK/ACTIVITIES  
16   ALL OTHER WORK-RELATED ACTIVITIES AT MY WORK  
AT MY PRESCHOOL/SCHOOL/COLLEGE: [CATI & WEB - SHOW IF PTYPE = SCHOOL]

- 17 IN SCHOOL/CLASSROOM/LABORATORY
- 18 MEALS AT SCHOOL/COLLEGE
- 19 AFTER SCHOOL OR NON-CLASS-RELATED SPORTS/PHYSICAL ACTIVITY
- 20 ALL OTHER AFTER SCHOOL OR NON-CLASS RELATED ACTIVITIES  
(LIBRARY, BAND REHEARSAL, CLUBS, ETC)
- QUICK STOPS/TRIPS
- 21 CHANGE TYPE OF TRANSPORTATION/TRANSFER (WALK TO BUS, WALK  
TO/FROM PARKED CAR)
- 22 PICKUP/DROP OFF PASSENGER(S)
- 23 DRIVE THROUGH MEALS (SNACKS, COFFEE, ETC.) [SHOW IF PTYPE <> 1  
(HOME)]
- 24 DRIVE THROUGH OTHER (ATM, BANK) [SHOW IF PTYPE <> 1]
- AT OTHER PLACES: [SHOW IF PTYPE <> 1]
- 25 WORK-RELATED (MEETING, SALES CALL, DELIVERY)
- 26 SERVICE PRIVATE VEHICLE (GAS, OIL, LUBE, REPAIRS)
- 27 ROUTINE SHOPPING (GROCERIES, CLOTHING, CONVENIENCE STORE, HH  
MAINTENANCE)
- 28 SHOPPING FOR MAJOR PURCHASES OR SPECIALTY ITEMS (APPLIANCE,  
ELECTRONICS, NEW VEHICLE, MAJOR HH REPAIRS)
- 29 HOUSEHOLD ERRANDS (BANK, DRY CLEANING, ETC.)
- 30 PERSONAL BUSINESS (VISIT GOVERNMENT OFFICE, ATTORNEY,  
ACCOUNTANT)
- 31 EAT MEAL AT RESTAURANT/DINER
- 32 HEALTH CARE (DOCTOR, DENTIST, EYE CARE, CHIROPRACTOR,  
VETERINARIAN)
- 33 CIVIC/RELIGIOUS ACTIVITIES
- 34 OUTDOOR EXERCISE (PLAYING SPORTS/JOGGING, BICYCLING, WALKING,  
WALKING THE DOG, ETC.)
- 35 INDOOR EXERCISE (GYM, YOGA, ETC.)
- 36 ENTERTAINMENT (MOVIES, WATCH SPORTS, ETC)
- 37 SOCIAL/VISIT FRIENDS/RELATIVES
- 38 OTHER (SPECIFY) [NOTE: LISTED ON DIARY] (O\_APURP)
- 39 LOOP TRIP (FOR INTERVIEWER ONLY-NOT LISTED ON DIARY)

ACTOTH [ASK ACTOTH TO ACTOT ONLY IF COUNTY = IMPERIAL (06025), LOS ANGELES  
(06037), ORANGE (06059), RIVERSIDE (06065), SAN BERNARDINO (06071),  
VENTURA (06111)]

Did anyone else participate in this activity with you?

- 1 YES, with others
- 2 NO, was alone →STIME
- 8 DON'T KNOW →STIME
- 9 REFUSE →STIME

ACTWHH How many of these people were household or family members?  
RECORD NUMBER [RANGE 0-25+]

ACTOR How many of these people were other relatives?

RECORD NUMBER [RANGE 0-25+]

ACTWK           How many of these people were coworkers?  
RECORD NUMBER [RANGE 0-25+]

ACTSC           How many of these people were school/classmates?  
RECORD NUMBER [RANGE 0-25+]

ACTRG           How many of these people were members of social / religious / other organizations of  
which you / this person are/is a member.  
RECORD NUMBER [RANGE 0-25+]

ACTFR           How many of these people were friends?  
RECORD NUMBER [RANGE 0-25+]

ACTOT           How many of these people have some other relationship to you/him/her?  
RECORD NUMBER [RANGE 0-25+]

STIME           What time did [you/he/she] start this activity?  
[INTERVIEWER NOTE] COLLECT IN MILITARY TIME  
[INTERVIEWER NOTE] THIS MUST BE COLLECTED FOR ALL ACTIVITIES.]

[PROGRAMMER NOTE: IS THERE ANY WAY TO AUTOFILL STIME=ARRTM FOR ACTNO=1 (THE  
FIRST ACTIVITY)?

ETIME           What time did [you/he/she] end this activity?  
[INTERVIEWER NOTE] COLLECT IN MILITARY TIME  
[INTERVIEWER NOTE] THIS MUST BE COLLECTED FOR ALL ACTIVITIES.

END OF ACTIVITY ROSTER

DEPTM           What time did you/this person leave?  
[INTERVIEWER NOTE] MILITARY TIME  
[INTERVIEWER NOTE] IF LAST PLACE OF THE DAY, ENTER 0259.  
[PROGRAMMER NOTE: IF THIS IS THE LAST PLACE RESPONDENT WENT,  
THEN ADD CHECKBOX FOR "LAST PLACE" AND ASSIGN DEPTM=0259]



END OF TRIP ROSTER

PROGRAMMER NOTE: ONLY ASK TOLL THROUGH HOVL OF RESPONDENTS THAT REPORTED TRIPS; ELSE SKIP TO NOGO

GENTRP Thank you for providing your/this person's individual trip information. I have a few questions to ask about toll roads and HOV lanes used during the travel day.

TOLLF [IF MODE=05, 06, 07, or 08, 10] Did you/this person use a toll road or toll bridge on any trip made during the travel day?

- 1 YES – TOLL ROAD → TOLLR
- 2 YES – TOLL BRIDGE → TOLLB
- 2 NO → HOVL
- 8 DON'T KNOW → HOVL
- 9 REFUSE → HOVL

TOLLR [IF MODE=05, 06, 07, 08, or 10 AND TOLLF=1] Which toll roads or express lanes did you/this person use?

[PROGRAMMER: ALLOW MULTIPLE REPSONSES: TOLLR1; TOLLR2; TOLLR3]

- 1 I-580 Express Lanes (Alameda County) 2 I-680 Express Lanes (Alameda County)
- 3 91 Express Lanes (Orange and Riverside Counties) 4 San Joaquin Hills Toll Road (SR-73) (Orange County) 5 Foothill Toll Road (SR-241) (Orange County)
- 6 Eastern (SR-241/SR-261/SR-133) Toll (Orange County)
- 7 Interstate 15 Express Lanes (San Diego County)
- 8 South Bay Expressway (SBX) (SR-125) (San Diego County)
- 9 17-Mile Drive (Monterey County)
- 98 DON'T KNOW
- 99 REFUSE

TOLLB [IF MODE=05, 06, 07, 08, or 10 AND TOLLF=2] Which toll bridges did were used during the travel day?

[PROGRAMMER: ALLOW MULTIPLE RESPONSES:TOLLB1; TOLLB2; TOLLB3]

- 1 Antioch Bridge
- 2 Benicia - Martinez Bridge
- 3 Carquinez Bridge
- 4 Dumbarton Bridge
- 5 Golden Gate Bridge
- 6 Richmond - San Rafael Bridge
- 7 San Francisco - Oakland Bay Bridge
- 8 San Mateo - Hayward Bridge
- 98 DON'T KNOW
- 99 REFUSE

HOVL [IF MODE=05, 06, 07, or 08, 10] Did you/this person use any carpool lanes (some\*s referred to as HOV or Diamond lanes) for any trips during the travel day?

- 1 YES → 2 NO
- 98 DON'T KNOW 99 REFUSE

[PROGRAMMER NOTE: IF HHSIZE >1 → GO BACK TO <PNAME> FOR NEXT HH MEMBER UNTIL ALL HH MEMBERS TRAVEL COLLECTED]

[PROGRAMMER NOTE: IF HHSIZE = 1 OR LAST PERSON IN HH, → CNTV]

NOGO [IF MAX PLANO=1] CALCULATED

- 1 YES
- 2 NO

WHYNO [IF NOGO=1] So, you made no trips, including to work or school? Why not?

[INTERVIEWER NOTE: REFER PARTICIPANT TO FRONT OF DIARY IF NEEDED]

IF NEEDED: We just need to make a note about days when people do not travel. It would help if you could provide the reason why no trips were made on your assigned travel day

- 01 PERSONALLY SICK
- 02 VACATION OR PERSONAL DAY
- 03 CARETAKING SICK KIDS
- 04 CARETAKING SICK OTHER
- 05 HOMEBOUND ELDERLY OR DISABLED
- 06 WORKED AT HOME FOR PAY
- 07 NOT SCHEDULED TO WORK
- 08 WORKED AROUND HOME (NOT FOR PAY)
- 09 NO TRANSPORTATION AVAILABLE
- 10 OUT OF CALIFORNIA
- 11 WEATHER
- 12 NO REASON TO TRAVEL
- 97 OTHER, SPECIFY (O\_WHYNO)
- 98 DON'T KNOW
- 99 REFUSE

[PROGRAMMER NOTE: IF HHSIZE >1 → GO BACK TO <PNAME> FOR NEXT HH MEMBER UNTIL ALL HH MEMBERS TRAVEL COLLECTED]

[PROGRAMMER NOTE: IF HHSIZE = 1 OR LAST PERSON IN HH, → CHKV]

END OF PERSON ROSTER

[AT THE END OF SURVEY, CHECK TO SEE IF ALL HH VEHICLES WERE USED.  
IF NOT ASK ONCE:]

CNTV Did anyone drive the [VEHICLE YEAR, MAKE, MODEL] on TRAVEL DAY?  
1 YES→LD  
2 NO  
8 DON'T KNOW →LD  
9 REFUSE →LD

WYCNTV: What was the main reason this vehicle not used?  
1 Did not travel on travel day  
2 Vehicle not needed  
3 Prefer to use transit  
4 Used bicycle  
5 Prefer to walk  
6 Vehicle not working/in shop  
7 Travelled with others  
8 Wanted to help the environment  
9 Parking cost too high  
10 Fuel costs too high  
11 Short trip  
12 Long trip  
97 Other (specify) (O\_WYCNTV)  
98 DON'T KNOW  
99 REFUSE

### 3.0 Long Distance Trips

[PROGRAMMER: ADD TRIP BUILDER NOTE TO REMIND RESPONDENTS ABOUT THE LONG DISTANCE PORTION]

LD Now we are going to switch to the long distance portion of the survey. You should have received a separate Long Distance Log as part of our survey packet. (If needed: It is the green single page.)

CMPLD Do you have a completed Long Distance Log to refer to?

- 1 YES (COMPLETED) →LDPER
- 2 NO (NOT COMPLETED) →LDINTRO
- 3 DID NOT RECEIVE LOG→LDINTRO
- 98 DK
- 99 RF

LDPER Who in your household completed the Long-Distance log?

RECORD PERSON NUMBER

- 98 DON'T KNOW
- 99 REFUSE

LDINTRO We would like to gather a list of all long distance trips made by anyone in your household in the eight weeks prior to your travel day. Remember that a long distance trip is any one-way trip of more than 50 miles.

LDTRP1 Tell me about the first long distance trip.

- 1 TRIPS TO REPORT →LDDAT
- 2 NO LONG DISTANCE TRIPS →LDNOGO
- 8 DON'T KNOW
- 9 REFUSE

[PROGRAMMER NOTE: TRIP ROSTER BEGINS HERE]

LDDAT What was the date of the first/next long-distance trip?

RECORD DATE IN MONTH/DAY/YEAR FORMAT

- 98 DK
- 99 RF

LDORG Where were you when you started this trip?

- 1 HOME
- 2 PRIMARY JOB
- 3 SCHOOL
- 4 SECOND JOB
- 7 OTHER→ LDOADDR
- 8 DON'T KNOW
- 9 REFUSE

LDOPNM [ASK IF LDORG = 7] What is the address of the place you were when you started the long distance trip?

<LDOPNM> Name of Place:  
<LDOADDR> Address:  
<LDOADDRX1>: Cross Street 1:  
<LDOADDRX2>: Cross Street 2:  
<LDOCITY> City:  
<LDOST> State:  
<LDOZIP> Zip Code:

LDDPNM [IF LDOST=CA) Where did you go on this trip?

<LDDPNM> Name of Place:  
<LDDADDR> Address:  
<LDDADDRX1>: Cross Street 1:  
<LDDADDRX2>: Cross Street 2:  
<LDDCITY> City:  
<LDDST> State:  
<LDDZIP> Zip Code:  
[ASK IF LDOST <>CA] <LDDCNTRY> Country:  
[ASK IF LDDCNTRY = MEXICO] <LDDCOLN>: Colonia

INTERVIEWER NOTE: IF IN CALIFORNIA, LAKE TAHOE AREA OR YUMA, AZ AREA  
NEED FULL ADDRESS OR CROSS STREETS; FOR OTHER OUT OF STATE, NEED  
CITY, STATE AND COUNTRY; IF MEXICO, NEED COLONIA

INTERVIEWER NOTE: IF RESPONDENT DOES NOT KNOW OR REFUSES, JUST  
WRITE IN . . . “DON’T KNOW” OR “ REFUSED”

LDTPURP What was the main purpose of this trip?

- 1 Going to work
- 2 Business (*work-related meeting/convention/seminar*)
- 3 Combined business and pleasure
- 4 School-related activity
- 5 Visit friends/relatives/wedding/funeral
- 6 Medical
- 7 Vacation/Sightseeing
- 8 Outdoor recreation (*sports, fishing, hunting, camping, boating, etc.*)
- 9 Entertainment (*theater, concert, sports event, gambling, etc.*)
- 10 Personal Business (e.g. shopping)
- 11 Drive someone else
- 12 Return home
- 97 OTHER (*specify*) (O\_LDTPURP)
- 98 DON’T KNOW
- 99 REFUSE

LDWHO How many other people were travelling with you?  
RECORD NUMBER [RANGE: 0--25]

- 98 DON'T KNOW
- 99 REFUSE

LDMHH [IF LDWHO>1] Not including yourself/this person, how many of these people are members of your household?

RECORD NUMBER [RANGE = 1 - 8+]

- 98 DON'T KNOW
- 99 REFUSE

LDINI [IF HHSIZ>1] May we have the names of the household members who made this trip?

INTERVIEWER NOTE: RECORD PERSON NUMBER OR NAME OF LONG DISTANCE TRIP PARTY MEMBERS

PERNO1:

PERNO2:

PERNO3:

PERNO3:

PERNO3:

PERNO3:

PERNO3:

PERNO3:

98 DON'T KNOW

99 REFUSE

LDMODE What was the method of travel used for the longest distance?

[INTERVIEWER NOTE] MAY REFER RESPONDENT TO SAME LIST AS MODE ON DIARY

NON-MOTORIZED TRAVEL:

- 01 Walk
- 02 Bike
- 03 Wheelchair / Mobility Scooter
- 04 Other Non-Motorized (Skateboard, etc.)

PRIVATE VEHICLE:

- 05 Auto / Van / Truck Driver
- 06 Auto / Van / Truck Passenger
- 07 Carpool / Vanpool
- 08 Motorcycle / Scooter / Moped

PRIVATE TRANSIT:

- 09 Taxi / Hired Car / Limo
- 10 Rental Car/Vehicle
- 11 Private shuttle (SuperShuttle, employer, hotel, etc.)
- 12 Greyhound Bus
- 13 Airplane

14 Other Private Transit

PUBLIC TRANSIT:

BUS:

15 Local Bus, Rapid Bus

16 Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc.)

17 Premium Bus (Metro Orange / Silver Line)

18 School Bus

19 Public Transit Shuttle (DASH, Emery Go-Round, etc.)

20 AirBART / LAX FlyAway

21 Dial-a-Ride / ParaTransit (Access Services, etc.)

22 Amtrak Bus

23 Other Bus

RAIL/SUBWAY:

24 BART, Metro Red / Purple Line

25 ACE, Amtrak, Caltrain, Coaster, Metrolink

26 Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail

27 Street Car / Cable Car

28 Other Rail

FERRY:

29 Ferry / Boat

98 DON'T KNOW

99 REFUSE

[PROGRAMMER'S NOTE: TEXT BELOW IS ONLY FOR FIRST LONG DISTANCE TRIP]

[PROGRAMMER NOTE: GO TO NEXT LD TRIP]

LDNOGO [IF Cmpld = 2] No one in your household went 50 miles or more from your home during the past eight weeks, including for work, vacation or to visit family. Is this correct?

1 YES → IF GTYPE = 1, GO TO 6.0; IF GTYPE <> 1, GO TO 7.0

2 NO → GO BACK TO START OF LD TRIP ROSTER

8 DON'T KNOW → IF GTYPE = 1, GO TO 6.0; IF GTYPE <> 1, GO TO 7.0

9 REFUSE → IF GTYPE = 1, GO TO 6.0; IF GTYPE <> 1, GO TO 7.0

[PROGRAMMER NOTE: TRIP ROSTER BEGINS ENDS HERE]

LDDETL We would like to collect a few more details about your long distance trips made by airplane, bus or train.

PROGRAMMER NOTE: IF LDMODE1 OR LDMODE2 = 12 - 29 AND NE 17 18, ASK LDDPNM – LDAMODE, ELSE IF G TYPE=1, GO TO 6.0; IF GTYPE <> 1, GO TO 7.0

LDTIMH What time did [you/he/she] start this trip? [If not exact time, hour will suffice]

[INTERVIEWER NOTE: COLLECT IN MILITARY TIME]

LDDPPNM What is the name of the airport, bus or train station you departed from?

<LDDPPNM> Name:

[INTERVIEWER NOTE] IF RESPONDENT DOES NOT KNOW OR REFUSES, JUST WRITE IN . . . “DON’T KNOW” OR “REFUSED”

LDDPMODE How did [you/he/she] travel to the departure airport or station?

NON-MOTORIZED TRAVEL:

- 01 Walk
- 02 Bike
- 03 Wheelchair / Mobility Scooter
- 04 Other Non-Motorized (Skateboard, etc.)

PRIVATE VEHICLE:

- 05 Auto / Van / Truck Driver
- 06 Auto / Van / Truck Passenger
- 07 Carpool / Vanpool
- 08 Motorcycle / Scooter / Moped

PRIVATE TRANSIT:

- 09 Taxi / Hired Car / Limo
- 10 Rental Car/Vehicle
- 11 Private shuttle (SuperShuttle, employer, hotel, etc.)
- 12 Greyhound Bus
- 13 Airplane
- 14 Other Private Transit

PUBLIC TRANSIT:

BUS:

- 15 Local Bus, Rapid Bus
- 16 Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc.)
- 17 Premium Bus (Metro Orange / Silver Line)
- 18 School Bus
- 19 Public Transit Shuttle (DASH, Emery Go-Round, etc.)
- 20 AirBART / LAX FlyAway
- 21 Dial-a-Ride / ParaTransit (Access Services, etc.)
- 22 Amtrak Bus
- 23 Other Bus RAIL/SUBWAY:
- 24 BART, Metro Red / Purple Line
- 25 ACE, Amtrak, Caltrain, Coaster, Metrolink
- 26 Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail
- 27 Street Car / Cable Car



- 28 Other Rail
- FERRY:
- 29 Ferry / Boat

LDARNM What is the name of the airport, bus or train station you arrived at?

<LDARNM> Name:

[INTERVIEWER NOTE] IF RESPONDENT DOES NOT KNOW OR REFUSES, JUST WRITE IN . . . “DON’T KNOW” OR “REFUSED”

LDAMODE How did [you/he/she] travel from your arrival airport or station to your destination?

NON-MOTORIZED TRAVEL:

- 01 Walk
- 02 Bike
- 03 Wheelchair / Mobility Scooter
- 04 Other Non-Motorized (Skateboard, etc.)

PRIVATE VEHICLE:

- 05 Auto / Van / Truck Driver
- 06 Auto / Van / Truck Passenger
- 07 Carpool / Vanpool
- 08 Motorcycle / Scooter / Moped

PRIVATE TRANSIT:

- 09 Taxi / Hired Car / Limo
- 10 Rental Car/Vehicle
- 11 Private shuttle (SuperShuttle, employer, hotel, etc.)
- 12 Greyhound Bus
- 13 Airplane
- 14 Other Private Transit

PUBLIC TRANSIT:

BUS:

- 15 Local Bus, Rapid Bus
- 16 Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc.)
- 17 Premium Bus (Metro Orange / Silver Line)
- 18 School Bus
- 19 Public Transit Shuttle (DASH, Emery Go-Round, etc.)
- 20 AirBART / LAX FlyAway
- 21 Dial-a-Ride / ParaTransit (Access Services, etc.)
- 22 Amtrak Bus
- 23 Other Bus RAIL/SUBWAY:
- 24 BART, Metro Red / Purple Line
- 25 ACE, Amtrak, Caltrain, Coaster, Metrolink
- 26 Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail
- 27 Street Car / Cable Car
- 28 Other Rail

FERRY:  
29 Ferry / Boat

Thank you. That's all for the long distance portion of the survey.

6.0 GPS Households ONLY

For GPS households only, we will ask if they have been able to use the GPS equipment as instructed. If after the last deployment date, we will ask if they have returned their equipment. If not, we will ask them to do so as soon as possible, using the return Fedex envelope and instructions provided.

Thank you for participating in the California Household Travel Survey. Your response is very important in helping planners make better decisions.

[IF GFLAG=1 AND CURRENT DATE IS LESS THAN <ASSN + 3 DAYS>]:

L1 Please remember to keep wearing your GPS devices each day and mail them back on <ASSN + 3 days> in the FedEx packaging.

[IF GFLAG=1 AND CURRENT DATE IS GREATER THAN OR EQUAL TO <ASSN + 3 DAYS>]:

L2 Have you returned your GPS equipment yet? (IF NOT: You can drop the package in any Fedex drop box or call 1-800-GOFEDEX for a pickup).

- 1 YES
- 2 NO
- 8 DON'T KNOW
- 9 REFUSE

[IF GFLAG=2 or 3 AND CURRENT DATE IS LESS THAN <ASSN + 7 DAYS>]:

L3 Please remember to keep using the [GPS/OBD] devices in your vehicle each day and mail them back on <ASSN + 7 days>.

[IF GFLAG=2 or 3 AND CURRENT DATE IS GREATER THAN OR EQUAL TO <ASSN + 7 DAYS>]:

L4 Have you returned your [GPS/OBD] equipment yet? (IF NOT: You can drop the package in any Fedex drop box or call 1-800-GOFEDEX for a pickup).

- 1 YES
- 2 NO
- 8 DON'T KNOW
- 9 REFUSE

7.0 ALL Households

<Incentive Name Screen 1>

Thank you for completing the California Household Travel Survey. In order to thank your household for your contribution to the study, your household has been offered <INAMT>, payable in the form of a check to the household. A single check will be mailed in 8 to 10 weeks.

Can you please tell me the full name of an adult whose name should be on the check? This person is the sole person authorized to receive the incentive check on behalf of your household?

INTERVIEWER NOTE: (IF NEEDED) Without a **full and correct name** of an adult to put on the check, we will be unable to process your household's incentive..

--ENTER FIRST NAME: <Text Box>

--ENTER LAST NAME: <Text Box>

**CONNAME**Thank you. To confirm, I'll now spell back to you the name you have provided:

[INTERVIEWER NOTE: Please spell back name to respondent to confirm correct spelling]

[PROGRAMMER NOTE: DISPLAY NAME FROM <Incentive Name Screen 1>

1 YES, NAME IS CORRECT

2 NO, NAME NEEDS MODIFICATION →RESPF

FUTUR            This completes the survey. We really appreciate you taking your valuable time to participate and share your travel details with Caltrans. Your participation will help better serve the transportation needs of your community for years to come. To add to this survey, there are surveys planned in the future that will ask different questions about travel in your area. These future surveys may also provide incentives. May we add you to the list to be contacted for these future surveys?

- 1    YES
- 2    NO

LEAVE            If you have any questions or comments, I have a phone number where you can reach us. Would you like that number? WAIT FOR THEM TO WRITE: You can reach us at 1-877-261-4621. Thank you and have a good afternoon/evening.

## **Text and Email Message - Day Prior to Travel Date (ASSN - 2) – Pre - Travel Day Reminder**

These messages go out to remind households to record travel on the assigned travel day and to use GPS devices if they are a GPS household.

**Text - For Wearable/Vehicle/Vehicle+OBD GPS:**

Your California Household Travel Survey starts on <ASSN Date>. Please use GPS devices & diaries as instructed. Questions? Call 877-261-4621

**Text - For Non - GPS:**

Thanks for participating in the California Household Travel Survey. Your travel day is <ASSN>. Please use all diaries. Questions? Call 877-261-4621

**Email - For Wearable GPS:**

Hi <FNAME> <LNAME>,

Thank you for participating in the California Household Travel Survey. Your household is scheduled to start the survey on <ASSN Date>. Please have each person in your home take their diaries with them and record their travel for the day. In addition to using the diaries, those household members receiving a GPS device should carry the device as instructed.

Remember: Your household will receive \$25 per GPS device if everyone in your household completes their diaries, uses and returns the GPS devices, and reports travel by web survey, telephone interview or by mailing back the completed diaries.

If you have questions, please reply to this email or call 877-261-4621.

Best regards,

The California Household Travel Survey Team

**Email – For Vehicle GPS:**

Hi <FNAME> <LNAME>,

Thank you for participating in the California Household Travel Survey. Your household is scheduled to start the survey on <ASSN Date>. Please have each person in your home take their diaries with them and record their travel for the day. In addition to using the diaries, those vehicles assigned a GPS device should use the device as instructed.

Remember: Your household will receive \$25 per GPS unit received if everyone in your household completes their diaries, all assigned vehicles use GPS and all of the GPS devices are returned, and your household either reports travel by telephone interview, web survey or by mailing back all completed diaries.

If you have questions, please reply to this email or call 877-261-4621.

Best regards,

The California Household Travel Survey Team

**Email – For Vehicle GPS +OBD:**

Hi <FNAME> <LNAME>,

Thank you for participating in the California Household Travel Survey. Your household is scheduled to start the survey on <ASSN Date>. Please have each person in your home take their diaries with them and record their travel for the day. In addition to using the diaries, those vehicles assigned a GPS device should use the device as instructed.

Remember: Your household will receive \$40 per GPS unit received if everyone in your household completes their diaries, all assigned vehicles use GPS and OBD devices as requested, all of the GPS and OBD devices are returned, and your household either reports travel by telephone interview, web survey or by mailing back all completed diaries.

If you have questions, please reply to this email or call 877-261-4621.

Best regards,

The California Household Travel Survey Team

Email - For non - GPS:

Hi <FNAME> <LNAME>,

Thank you for participating in the California Household Travel Survey. Your household is scheduled to record travel on <ASSN Date>. Please have each person in your home take a diary with them and record their travel for the day.

If you have questions, please reply to this email or call 877-261-4621.

Best regards,

The California Household Travel Survey Team

# Appendix E: Retrieval Questionnaire – Online

## 1.0 Introduction

**INT02** Hello and welcome to the California Household Travel Survey! This web page has been developed to allow you to enter the details of your travel and activity on your assigned travel day.

**Please press 'Next' to continue.**

**PROGRAMMER NOTE: SHOW TEXT IF HOUSEHOLD QUALIFIES FOR INCENTIVE.  
<INCEN>/<INAMT>**

Just a reminder, your household is being offered <INAMT> to thank you for your participation in this study. If EVERYONE in the household completes the study with valid travel information by <ASN10>, we will send your household <INAMT> in the next 8-10 weeks.

**SCPT0-** Please select your name from the list.  
List everyone that's above 16 in the household by using NAMEA-NAMEH.

## DIARY ROSTER

**CMPLG** Did <NAME> complete their travel diary?

[PROGRAMMER NOTE: ASK OF ALL PERSONS]

- 4 Yes (completed)
- 5 No (not completed)
- 6 Did not receive materials
- 8 Not sure
- 9 Prefer not to answer

**HVLOG** Do you have the completed diary to refer to?

[PROGRAMMER NOTE: ASK IF CMPLG=1]

- 3 Yes
- 4 No
- 9 Prefer not to answer

INCOM

[IF RECRUITMENT INCOM=99 or 98] Will you please choose the option from the following categories which best represents your total household income last year? We understand if you feel uncomfortable answering this question, however, we only ask about income to ensure all households are equally represented in our survey. Income has been found to be related to the types of trips households make, and we need to make sure we gather information for all types of trips and income levels.

- 01 \$0 to \$9,999
- 02 \$10,000 to \$24,999
- 03 \$25,000 to \$34,999
- 04 \$35,000 to \$49,999
- 05 \$50,000 to \$74,999
- 06 \$75,000 to \$99,999
- 07 \$100,000 to \$149,999
- 08 \$150,000 to \$199,999
- 09 \$200,000 to \$249,999
- 10 \$250,000 or more
- 98 Not Sure
- 99 Prefer not to answer

#### TRIP ROSTER

Next, you will be asked to provide details about the trip and activity information that your household recorded for your travel day. Please search for your household's locations to place them on the map OR click the "Set Location" button to mark them on the map directly. Follow STEP 1 and STEP2 for each location.

## 2.0 Trip Information

PTYPE

Please respond to the following questions thinking about the places you visited on your assigned travel day. [IF PLACE 1:] Where were you at 3 am on [ASSN]? [IF PLACE <>1:] Where did you go next?

- 1 Home
- 2 Primary Job
- 3 School
- 4 Second Job
- 5 Transit Stop
- 7 Other Place

Note: If you made any stops before your next destination (such as to stop for fuel, pick up food, or to pick up drop off someone), these will be added as separate places.

PNAME [PTYPE=4, 5, 7] On your travel day, [ASSN], where were you at 3 a.m.?

Where did you go next?

- 1 Home
- 2 Primary Job
- 3 School
- 4 Second Job
- 5 Transit Stop
- 7 Other Place (Specify)

ADDR [PTYPE=4, 5, 7] What is the street address of that place?

CITY And the city?

STATE Is that in California?

ZIP Do you know the zip code?

ARRTM What time did you arrive there?

Note: Please respond in military time.

TRPDUR [PROGRAMMER NOTE: TRIP DURATION CALCULATED]

ACTDUR [PROGRAMMER NOTE: ACTIVITY DURATION CALCULATED]

MODE How did you get there?

- 01 Walk
- 02 Bike
- 03 Wheelchair / Mobility Scooter
- 04 Other Non-Motorized (Skateboard, etc)
- 05 Auto / Van / Truck **Driver**
- 06 Auto / Van / Truck **Passenger**
- 07 Carpool / Vanpool
- 08 Motorcycle / Scooter / Moped
- 09 Taxi / Hired Car / Limo
- 10 Rental Car/Vehicle
- 11 Private shuttle (SuperShuttle, employer, hotel, etc.)
- 12 Greyhound Bus
- 13 Airplane
- 14 Other Private Transit 15 Local Bus, Rapid Bus
- 16 Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc.)
- 17 Premium Bus (Metro Orange / Silver Line)
- 18 School Bus
- 19 Public Transit Shuttle (DASH, Emery Go-Round, etc.)



- 20 AirBART / LAX FlyAway
- 21 Dial-a-Ride / ParaTransit (Access Services, etc.)
- 22 Amtrak Bus
- 23 Other Bus 24 BART, Metro Red / Purple Line
- 25 ACE, Amtrak, Caltrain, Coaster, Metrolink
- 26 Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail
- 27 Street Car / Cable Car
- 28 Other Rail
- 29 Ferry / Boat

[PROGRAMMER NOTE: IF MODE=15-4-29 EXCEPT FOR 18 & 21, THEN TRANSIT ON AND OFF NEED TO BE RECORDED AS SEPARATE PLACES]

VEHNO [IF MODE = 5, 6, 7, 8] Which vehicle did you use?  
 [PROGRAMMER NOTE: STORE 97 IF MODE=10]  
 Enter Number: \_\_\_\_\_  
 100 Non-household vehicle  
 101 Not Sure  
 102 Prefer not to answer

PARTY [IF MODE = 5, 6, 7, 8, OR 10] How many others traveled with <YOU>?  
 Enter Number: \_\_\_\_\_  
 98 Not Sure  
 99 Prefer not to answer

HHMEM [IF MODE = 5, 6, 7, 8, OR 10] AND IF PARTY>1 AND LESS THAN 97] Of these, how many were household members?  
 Enter Number: \_\_\_\_\_  
 98 Not sure  
 99 Prefer not to answer

PERTP [IF MODE = 5, 6, 7, 8, OR 10] AND IF HHMEM >0 AND LESS THAN 97] Who were the household members?  
 Enter all HH members:  
 98 Not sure  
 99 Prefer not to answer

**COMPUTE ALL NON-HH MEMBERS [NONHH]**

**COMPUTE [TOTTR]= [HHMEM]+[NONHH]+1**

DYGOV [IF MODE=05, 06,07, 08 OR 10 AND PTYPE <>01] Did you/this person park your vehicle at this place?

- 1 Yes
- 2 No → GO TO TRANSYS
- 8 Not sure
- 9 Prefer not to answer

PROGRAMMER NOTE: IF MODE = 05, 08 OR 10 AND DYGOV = 1 AND PTYPE <> 1, ASK PRKTY THROUGH EMPARK, OTHERWISE, SKIP TO TRANSYS

PRKTY Which of the following best describes the place where you parked?

- 1 At this location
- 2 Off site parking lot
- 3 Off site parking garage
- 4 Street
- 5 Driveway / Personal Garage
- 7 Other (O\_PRKTY)
- 8 Not sure
- 9 Prefer to not answer

PXSTR [IF PRKTY=2 ,3, OR 4] What is the address of, or nearest intersection to, the location where you parked?

<PXSTR> Address: \_\_\_\_\_  
<PXCITY> City: \_\_\_\_\_  
<PXXST1> Cross Street 1: \_\_\_\_\_  
<PXXST2> Cross Street 2: \_\_\_\_\_

PRKMIN [IF PRKTY>1] How many minutes did it take you to walk from the parking location to your destination?

RECORD MINUTES

PAYPK [MODE =05 AND PTYPE<>1 AND DYGOV=1 AND PRKTY= 2, 3 OR 4] Did you pay to park?

- 1 Yes
- 2 No → APURP
- 8 Not sure → APURP
- 9 Prefer to not answer → APURP

PKAMT How much did you pay to park?

RECORD RESPONSE [FORMAT: \_\_\_ . \_\_\_]

PKUNT            Was the cost per:

- 1    Hour
- 2    Day
- 3    Week
- 4    Month
- 5    Quarter
- 6    Semester
- 7    Year
- 8    Not sure
- 9    Prefer not to answer

PRKHW           How did you pay for parking?

- 1    Cash/credit/debit card
- 2    Pre-paid parking pass
- 3    Employer provided parking pass
- 7    Other (O\_PRKHW)
- 8    Not sure
- 9    Prefer to not answer

EMPARK           [IF EMPLOY=1] How much did you pay out of pocket to park that was not reimbursed by your employer?

RECORD RESPONSE [FORMAT: \_\_\_ . \_\_]

PROGRAMMER NOTE: IF MODE=15-28 , BUT NE 18 (SCHOOL BUS) ASK TRANSYS TO ROUTE, ELSE GO TO ACTNO

TRANSYS           What was the name of the transit system you used?

[PROGRAMMER NOTE: LIST OF TRANSIT SYSTEMS BY REGION/COUNTY --ALL 9 MTC COUNTIES TO HAVE SAME LIST]

- 97   Other (O\_TRANSYS)
- 98   Not sure
- 99   Prefer to not answer

ROUTE            [IF MODE<>21] What was the route or line number, or name?

Record number or name:

- 98    Not sure
- 99    Prefer not to answer

[PROGRAMMER NOTE: START OF ACTIVITY ROSTER – ASK UP TO THREE ACTIVITIES AT EACH LOCATION]

ACTNO	ACTIVITY NUMBER—UP TO THREE AT EACH LOCATION
APURP	<p>What was your main activity there? Once you arrived, what activities did you/he/she do here? (Up to three)</p> <p><b>[IF PTYPE=HOME] At my home</b></p> <ol style="list-style-type: none"> <li>1 Personal activities (sleeping, personal care, leisure, chores)</li> <li>2 Preparing meals/eating</li> <li>3 Hosting visitors/entertaining guests</li> <li>4 Exercise (with or without equipment)/playing sports</li> <li>5 Study / schoolwork</li> <li>6 Work for pay at home using telecommunications equipment</li> <li>7 Using computer/telephone/cell or smart phone or other communications device for personal activities</li> <li>8 All other activities at my home</li> </ol> <p><b>[IF PTYPE= 2 OR 4] At my primary work/volunteer location</b></p> <ol style="list-style-type: none"> <li>9 Work/job duties</li> <li>10 Training</li> <li>11 Meals at work</li> <li>12 Work-sponsored social activities (holiday or birthday celebrations, etc)</li> <li>13 Non-work related activities (social clubs, etc)</li> <li>14 Exercise/sports</li> <li>15 Volunteer work/activities</li> <li>16 All other work-related activities at my work</li> </ol> <p><b>[IF PTYPE=SCHOOL] At my preschool/school/college</b></p> <ol style="list-style-type: none"> <li>17 In school/classroom/laboratory</li> <li>18 Meals at school/college</li> <li>19 After school or non-class-related sports/physical activity</li> <li>20 All other after school or non-class related activities (library, band rehearsal, clubs, etc)</li> </ol> <p><b>Quick stops/trips</b></p> <ol style="list-style-type: none"> <li>21 Change type of transportation/transfer (walk to bus, walk to/from parked car)</li> <li>22 Pickup/drop off passenger(s)</li> <li>23 Drive through meals (snacks, coffee, etc.) <b>[IF PTYPE&lt;&gt;1]</b></li> <li>24 Drive through other (atm, bank) <b>[IF PTYPE&lt;&gt;1]</b></li> </ol> <p><b>[IF PTYPE&lt;&gt;1]At other places</b></p> <ol style="list-style-type: none"> <li>25 Work-related (meeting, sales call, delivery)</li> <li>26 Service private vehicle (gas, oil, lube, repairs)</li> <li>27 Routine shopping (groceries, clothing, convenience store, hh maintenance)</li> <li>28 Shopping for major purchases or specialty items (appliance, electronics, new vehicle, major household repairs)</li> <li>29 Household errands (bank, dry cleaning, etc.)</li> <li>30 Personal business (visit government office, attorney, accountant)</li> <li>31 Eat meal at restaurant/diner</li> <li>32 Health care (doctor, dentist, eye care, chiropractor, veterinarian)</li> </ol>

- 33 Civic/religious activities
- 34 Outdoor exercise (playing sports/jogging, bicycling, walking, walking the dog, etc.)
- 35 Indoor exercise (gym, yoga, etc.)
- 36 Entertainment (movies, watch sports, etc)
- 37 Social/visit friends/relatives
- 38 Other (specify) [note: listed on diary] ] (O\_APURP)
- 39 Loop trip (for interviewer only-not listed on diary)

ACTOTH [ASK ACTOTH TO ACTOT ONLY IF COUNTY = IMPERIAL (06025), LOS ANGELES (06037), ORANGE (06059), RIVERSIDE (06065), SAN BERNARDINO (06071), VENTURA (06111)

Did anyone else participate in this activity with you?

- 1 Yes, with others
- 2 No, was alone →STIME
- 8 Not sure →STIME
- 9 Prefer to not answer →STIME

ACTWHH How many of these people were household or family members?  
RECORD NUMBER [RANGE 0-25+]

ACTOR How many of these people were other relatives?  
RECORD NUMBER [RANGE 0-25+]

ACTWK How many of these people were coworkers?  
RECORD NUMBER [RANGE 0-25+]

ACTSC How many of these people were school mates?  
RECORD NUMBER [RANGE 0-25+]

ACTRG How many of these people were members of social / religious / other organizations of which you person are a member.  
RECORD NUMBER [RANGE 0-25+]

ACTFR How many of these people were friends?  
RECORD NUMBER [RANGE 0-25+]

ACTOT How many of these people were some other relation?  
RECORD NUMBER [RANGE 0-25+]

STIME What time did you begin this activity?

Note: Please enter in military time.

[PROGRAMMER NOTE: IS THERE ANY WAY TO AUTOFILL STIME=ARRTM FOR ACTNO=1 (THE FIRST ACTIVITY)?

ETIME What time did you complete this activity?

Note: Please enter in military time.

**END OF ACTIVITY ROSTER**

DEPTM What time did you leave?

Note: Please enter in military time.

[PROGRAMMER NOTE: IF THIS IS THE LAST PLACE RESPONDENT WENT, THEN ADD CHECKBOX FOR "LAST PLACE" AND ASSIGN DEPTM=0259]

**END OF TRIP ROSTER**

PROGRAMMER NOTE: ONLY ASK TOLLF THROUGH HOVL OF RESPONDENTS THAT REPORTED TRIPS; ELSE SKIP TO NOGO

GENTRP Thank you for providing your/this person's individual trip information. Next, we have a few questions about toll roads and HOV lanes used during the travel day.

TOLLF [IF MODE=05, 06, 07, 08, or 10] Did you/this person use a toll road or toll bridge on any trip made during the travel day?

- 1 Yes, toll road → TOLLR
- 2 Yes, toll bridge → TOLLB
- 2 No → HOVL
- 8 Not sure → HOVL
- 9 Prefer not to answer → HOVL

TOLLR [IF MODE=05, 06, 07, 08, or 10 AND TOLLF=1] Which toll roads or express lanes were used during the travel day?

[PROGRAMMER: ALLOW MULTIPLE REPSONSES: TOLLR1; TOLLR2; TOLLR3]

- 1 I-580 Express Lanes (Alameda County)
- 2 I-680 Express Lanes (Alameda County)
- 3 91 Express Lanes (Orange and Riverside Counties)
- 4 San Joaquin Hills Toll Road (SR-73) (Orange County)
- 5 Foothill Toll Road (SR-241) (Orange County)
- 6 Eastern (SR-241/SR-261/SR-133) Toll (Orange County)
- 7 Interstate 15 Express Lanes (San Diego County)
- 8 South Bay Expressway (SBX) (SR-125) (San Diego County)
- 9 17-Mile Drive (Monterey County)
- 98 DON'T KNOW
- 99 REFUSE

TOLLB [IF MODE=05, 06, 07, 08, or 10 AND TOLLF=2] Which toll bridges did were used during the travel day?

[PROGRAMMER: ALLOW MULTIPLE RESPONSES:TOLLB1; TOLLB2; TOLLB3]

- 1 Antioch Bridge
- 2 Benicia - Martinez Bridge
- 3 Carquinez Bridge
- 4 Dumbarton Bridge
- 5 Golden Gate Bridge
- 6 Richmond - San Rafael Bridge
- 7 San Francisco - Oakland Bay Bridge
- 8 San Mateo - Hayward Bridge
- 98 DON'T KNOW
- 99 REFUSE

HOVL [IF MODE=05, 06, 07, 08, or 10] Did you/this person use any carpool lanes (sometimes referred to as HOV or Diamond lanes) for any trips during the travel day?

- 1 Yes
- 2 No
- 98 Not sure
- 99 Prefer not to answer

NOGO [IF MAX PLANO=1] CALCULATED

- 3 Yes
- 4 No

WHYNO Do you recall why no trips were made on <ASSN>? Please provide the reason why no trips were made.

- 01 Personally sick
- 02 Vacation or personal day
- 03 Caretaking sick kids
- 04 Caretaking sick other
- 05 Homebound elderly or disabled
- 06 Worked at home for pay
- 07 Not scheduled to work
- 08 Worked around home (not for pay)
- 09 No transportation available
- 10 Out of California
- 11 Weather
- 12 No reason to travel
- 97 Other (O\_WHYNO)
- 98 Not sure
- 99 Prefer to not answer

[PROGRAMMER NOTE: IF HHSIZE >1 → GO BACK TO <PNAME> FOR NEXT HH MEMBER UNTIL ALL HH MEMBERS TRAVEL COLLECTED]

[PROGRAMMER NOTE: IF HHSIZE = 1 OR LAST PERSON IN HH, → CHKV]

**END OF PERSON ROSTER**

[AT THE END OF SURVEY, CHECK TO SEE IF ALL HH VEHICLES WERE USED. IF NOT ASK ONCE:]

CNTV Did anyone drive the [VEHICLE YEAR, MAKE, MODEL] on <ASSN>?

- 1 Yes →LD
- 2 No
- 8 Not sure →LD
- 9 Prefer to not answer →LD

WYCNTV: It would be helpful if you would provide the reason why the [VEHICLE YEAR, MAKE, MODEL] was not used on <ASSN>.

- 1 Did not travel on travel day
- 2 Vehicle was not needed
- 3 Prefer to use transit
- 4 Used bicycle
- 5 Prefer to walk
- 6 Vehicle not working/in shop
- 7 Travelled with others
- 8 Wanted to help the environment
- 9 Parking cost too high
- 10 Fuel costs too high
- 11 Short trip
- 12 Long trip
- 97 Other (O\_WYCNTV)
- 98 Not sure
- 99 Prefer not to answer



### 3.0 Long Distance Trips

[PROGRAMMER: ADD TRIP BUILDER NOTE TO REMIND RESPONDENTS ABOUT THE LONG DISTANCE PORTION]

LD A long-distance trip is any trip covering a distance of more than 50 miles, one way. For example, if you made a trip from home to a location more than 50 miles away and then later returned home, please report that as two separate trips. The following questions pertain to long-distance trips.

Please press 'Next' to continue.

CMPLD Do you have a completed Long Distance Log to refer to?

- 1 Yes, completed →LDPER
- 2 No, not completed →LDINTRO
- 3 Did not receive materials→LDINTRO
- 98 Not sure
- 99 Prefer not to answer

LDPER Who in your household completed the Long-Distance log?

Record person number(s):

- 98 Not sure
- 99 Prefer to not answer

LDINTRO We would like to gather a list of all long distance trips made by anyone in your household in the eight weeks prior to your travel day. Remember that a long distance trip is any one-way trip of more than 50 miles.

LDTRP1 Did anyone in your household make any long distance trips of 50 miles or more during the previous two weeks prior to your travel day?

- 3 Yes, trips to report →LDDAT
- 4 No long distance trips to report →LDNOGO
- 9 Not sure
- 9 Prefer to not answer

[PROGRAMMER NOTE: TRIP ROSTER BEGINS HERE]

LDDAT [IF LDDAPROX=1] What was the date of the first/next/most recent long-distance trip?

Note: Please record date in month/day/year format

LDORG Where were you when you started this trip?

- 1 Home
- 2 Primary Job
- 3 School
- 4 Second Job
- 7 Other → LDOADDR
- 8 Not sure
- 9 Prefer to not answer

LDOPNM [ASK IF LDORG = 7] What is the address of the place you were when you started your long distance trip?

<LDOPNM> Name of Place:  
<LDOADDR> Address:  
<LDOADDRX1>: Cross Street 1:  
<LDOADDRX2>: Cross Street 2:  
<LDOCITY> City:  
<LDOST> State:  
<LDOZIP> Zip Code:

LDDPNM [IF LDOST=CA) Where did you go on this trip?

<LDDPNM> Name of Place:  
<LDDADDR> Address:  
<LDDADDRX1>: Cross Street 1:  
<LDDADDRX2>: Cross Street 2:  
<LDDCITY> City:  
<LDDST> State:  
<LDDZIP> Zip Code:  
[ASK IF LDOST <>CA] <LDDCNTRY> Country:  
[ASK IF LDDCNTRY = MEXICO] <LDDCOLN>: Colonia

LDTPURP What was the main purpose of this trip?

- 1 Going to work
- 2 Business (*work-related meeting/convention/seminar*)
- 3 Combined business and pleasure
- 4 School-related activity
- 5 Visit friends/ relatives/wedding/funeral
- 6 Medical
- 7 Vacation/Sightseeing

- 8 Outdoor recreation (*sports, fishing, hunting, camping, boating, etc.*)
- 9 Entertainment (*theater, concert, sports event, gambling, etc.*)
- 10 Personal Business (e.g. shopping)
- 11 Drive someone else
- 12 Return home
- 97 Other (O\_LDTPURP)
- 98 Not sure
- 99 Prefer to not answer

LDWHO How many other people were travelling with you?

Enter number:

- 98 Not sure
- 99 Prefer not to answer

LDMHH [IF LDWHO>1] Not including yourself/this person, how many of these people are members of your household?

Enter number:

- 98 Not sure
- 99 Prefer not to answer

LDINI [IF HHSIZ>1] May we have the initials of the household members who made this trip?

- PERSON1: <Person 1>
- PERSON2: <Person 2>
- PERSON3: <Person 3>
- PERSON4: <Person 4>
- PERSON5: <Person 5>
- PERSON6: <Person 6>
- PERSON7: <Person 7>
- PERSON8: <Person 8>

- 98 Not sure
- 99 Prefer to not answer

LDMODE What was the method of travel used for the longest distance?

- 01 Walk
- 02 Bike
- 03 Wheelchair / Mobility Scooter
- 04 Other Non-Motorized (Skateboard, etc)

- 05 Auto / Van / Truck **Driver**
- 06 Auto / Van / Truck **Passenger**
- 07 Carpool / Vanpool
- 08 Motorcycle / Scooter / Moped
- 09 Taxi / Hired Car / Limo
- 10 Rental Car/Vehicle
- 11 Private shuttle (SuperShuttle, employer, hotel, etc.)
- 12 Greyhound Bus
- 13 Airplane
- 14 Other Private Transit 15 Local Bus, Rapid Bus
- 16 Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc.)
- 17 Premium Bus (Metro Orange / Silver Line)
- 18 School Bus
- 19 Public Transit Shuttle (DASH, Emery Go-Round, etc.)
- 20 AirBART / LAX FlyAway
- 21 Dial-a-Ride / ParaTransit (Access Services, etc.)
- 22 Amtrak Bus
- 23 Other Bus 24 BART, Metro Red / Purple Line
- 25 ACE, Amtrak, Caltrain, Coaster, Metrolink
- 26 Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail
- 27 Street Car / Cable Car
- 28 Other Rail
- 29 Ferry / Boat
- 98 DON'T KNOW
- 99 REFUSE

[PROGRAMMER NOTE: TEXT BELOW IS ONLY FOR FIRST LONG DISTANCE TRIP]

[PROGRAMMER NOTE: GO TO NEXT LD TRIP]

- LDNOGO [IF Cmpld = 2] No one in your household went 50 miles or more from your home during the past eight weeks, including for work, vacation or to visit family. Is this correct?
- 1 Yes, that is correct →IF GTYPE =1, GO TO 6.0; IF GTYPE <>1, GO TO 7.0
  - 2 No, that is incorrect → GO BACK TO START OF LD TRIP ROSTER
  - 8 Not sure →IF GTYPE =1, GO TO 6.0; IF GTYPE <>1, GO TO 7.0
  - 9 Prefer not to answer →IF GTYPE =1, GO TO 6.0; IF GTYPE <>1, GO TO 7.0

[PROGRAMMER NOTE: TRIP ROSTER BEGINS ENDS HERE]

LDDETL We would like to collect a few more details about your long distance trips made by airplane, bus or train..

PROGRAMMER NOTE: IF LDMODE1 OR LDMODE2 = 12 - 29 AND NE 17 18, ASK LDDPNM – LDAMODE, ELSE IF G TYPE=1, GO TO 6.0; IF GTYPE <>1, GO TO 7.0

LDTIMH What time did [you/he/she] start this trip? [If not exact time, hour will suffice] Note: Please use military time.

LDDPPNM What is the name of the airport, bus or train station you departed from?

<LDDPPNM> Name:

LDDPMODE How did [you/he/she] travel to the departure airport or station?

- 01 Walk
- 02 Bike
- 03 Wheelchair / Mobility Scooter
- 04 Other Non-Motorized (Skateboard, etc)
- 05 Auto / Van / Truck **Driver**
- 06 Auto / Van / Truck **Passenger**
- 07 Carpool / Vanpool
- 08 Motorcycle / Scooter / Moped
- 09 Taxi / Hired Car / Limo
- 10 Rental Car/Vehicle
- 11 Private shuttle (SuperShuttle, employer, hotel, etc.)
- 12 Greyhound Bus
- 13 Airplane
- 14 Other Private Transit 15 Local Bus, Rapid Bus
- 16 Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc.)
- 17 Premium Bus (Metro Orange / Silver Line)
- 18 School Bus
- 19 Public Transit Shuttle (DASH, Emery Go-Round, etc.)
- 20 AirBART / LAX FlyAway
- 21 Dial-a-Ride / ParaTransit (Access Services, etc.)
- 22 Amtrak Bus
- 23 Other Bus 24 BART, Metro Red / Purple Line
- 25 ACE, Amtrak, Caltrain, Coaster, Metrolink
- 26 Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail

- 27 Street Car / Cable Car
- 28 Other Rail
- 29 Ferry / Boat

LDARNM What is the name of the airport, bus or train station you arrived at?

<LDARNM> Name:

LDAMODE How did [you/he/she] travel from your arrival airport or station to your destination?

- 01 Walk
- 02 Bike
- 03 Wheelchair / Mobility Scooter
- 04 Other Non-Motorized (Skateboard, etc)
- 05 Auto / Van / Truck **Driver**
- 06 Auto / Van / Truck **Passenger**
- 07 Carpool / Vanpool
- 08 Motorcycle / Scooter / Moped
- 09 Taxi / Hired Car / Limo
- 10 Rental Car/Vehicle
- 11 Private shuttle (SuperShuttle, employer, hotel, etc.)
- 12 Greyhound Bus
- 13 Airplane
- 14 Other Private Transit 15 Local Bus, Rapid Bus
- 16 Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc.)
- 17 Premium Bus (Metro Orange / Silver Line)
- 18 School Bus
- 19 Public Transit Shuttle (DASH, Emery Go-Round, etc.)
- 20 AirBART / LAX FlyAway
- 21 Dial-a-Ride / ParaTransit (Access Services, etc.)
- 22 Amtrak Bus
- 23 Other Bus 24 BART, Metro Red / Purple Line
- 25 ACE, Amtrak, Caltrain, Coaster, Metrolink
- 26 Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail
- 27 Street Car / Cable Car
- 28 Other Rail
- 29 Ferry / Boat

Thank you. That's all for the long distance portion of the survey.

[PROGRAMMER NOTE: TRIP ROSTER BEGINS ENDS HERE]

## 6.0 GPS Households ONLY

FOR GPS HOUSEHOLDS ONLY, WE WILL ASK IF THEY HAVE BEEN ABLE TO USE THE GPS EQUIPMENT AS INSTRUCTED.  
IF AFTER THE LAST DEPLOYMENT DATE, WE WILL ASK IF THEY HAVE RETURNED THEIR EQUIPMENT. IF NOT, WE WILL ASK THEM TO DO SO AS SOON AS POSSIBLE, USING THE RETURN FEDEX ENVELOPE AND INSTRUCTIONS PROVIDED.

[IF GFLAG=1 AND CURRENT DATE IS LESS THAN <ASSN + 3 DAYS>]:

Please remember to keep wearing your GPS devices each day and mail them back on <ASSN + 3 days> in the FedEx packaging.

Please press 'Next' to continue.

[IF GFLAG=1 AND CURRENT DATE IS GREATER THAN OR EQUAL TO <ASSN + 3 DAYS>]:

Have you returned your GPS equipment yet? (If not, you can drop the package in any Fedex drop box or call 1-800-GOFEDEX for a pickup).

- 1 Yes
- 2 No
- 8 Not sure
- 9 Prefer to not answer

[IF GFLAG=2 or 3 AND CURRENT DATE IS LESS THAN <ASSN + 7 DAYS>]:

Please remember to keep using the [GPS/OBD] devices in your vehicle each day and mail them back on <ASSN + 7 days>.

Please press 'Next' to continue.

[IF GFLAG=2 or 3 AND CURRENT DATE IS GREATER THAN OR EQUAL TO <ASSN + 7 DAYS>]:

Have you returned your [GPS/OBD] equipment yet? (If not, you can drop the package in any Fedex drop box or call 1-800-GOFEDEX for a pickup).

- 1 Yes
- 2 No
- 8 Not sure
- 9 Prefer to not answer

## 7.0 ALL Households

<Incentive Name Screen>

Thank you for completing the California Household Travel Survey. In order to thank your household for your contribution to the study, your household has been offered <INAMT>, payable in the form of a check to the household. A single check will be mailed in 8 to 10 weeks. Please enter the full name of an adult whose name should be on the check. This person is the sole person authorized to receive the incentive check on behalf of your household?

Note: Without a **full and correct name** of an adult to put on the check, we will be unable to process your household's incentive.

--ENTER FIRST NAME: <Text Box>

--ENTER LAST NAME: <Text Box>

FUTUR            This completes the survey. We appreciate you taking your valuable time to participate and share your travel details with Caltrans. Your participation will help better serve the transportation needs of your community for years to come. To add to this survey, there are surveys planned in the future that will ask different questions about travel in your area. These future surveys may also provide incentives. May we add you to the list to be contacted for these future surveys?

- 1    Yes
- 2    No

THANK            Thank you for participating in the California Statewide Travel Survey. If you have any questions or comments, the phone number where you may reach us is 1-877-261-4621.



# Appendix F: Recruitment and Retrieval Unweighted Frequencies

## 1.0 Household Table Frequencies

**Table F.1.1: Recruit Mode**

Recruit Mode	Frequency	Percent
CATI	36101	85.1%
CAWI	6330	14.9%
<i>Total</i>	42431	100.0%

**Table F.1.2: Retrieval Mode**

Retrieval Mode	Frequency	Percent
CATI	17311	40.8%
CAWI	7293	17.2%
Mail Back (Data Entry)	17827	42.0%
<i>Total</i>	42431	100.0%

**Table F.1.3: Incentive Flag**

Incentive Flag	Frequency	Percent
Yes	20811	49.0%
No	21620	51.0%
<i>Total</i>	42431	100.0%

**Table F.1.4: Interview Language**

Interview Language	Frequency	Percent
English	39939	94.1%
Spanish	2492	5.9%
<i>Total</i>	42431	100.0%

**Table F.1.5: MPO**

MPO	Frequency	Percent
Alpine	22	0.1%

MPO	Frequency	Percent
Amador	182	0.4%
AMBAG	1964	4.6%
Butte	360	0.8%
Calaveras	176	0.4%
Colusa	107	0.3%
Del Norte	189	0.4%
Fresno	1116	2.6%
Glenn	182	0.4%
Humboldt	321	0.8%
Inyo	189	0.4%
Kern	1544	3.6%
Kings	294	0.7%
Lake	182	0.4%
Lassen	152	0.4%
Madera	311	0.7%
Mariposa	148	0.3%
Mendocino	175	0.4%
Merced	474	1.1%
Modoc	111	0.3%
Mono	107	0.3%
MTC	9717	22.9%
Nevada	188	0.4%
Plumas	150	0.4%
SACOG	2038	4.8%
San Joaquin	630	1.5%
San Luis Obispo	847	2.0%
SANDAG	1688	4.0%
Santa Barbara	435	1.0%
SCAG	15715	37.0%
Shasta	250	0.6%
Sierra	59	0.1%
Siskiyou	212	0.5%
Stanislaus	552	1.3%
Tehama	177	0.4%
TMPO	300	0.7%

MPO	Frequency	Percent
Trinity	175	0.4%
Tulare	799	1.9%
Tuolumne	193	0.5%
<i>Total</i>	42431	100.0%

**Table F.1.6: Strata**

Strata	Frequency	Percent
1	480	1.1%
2	2401	5.7%
3	9430	22.2%
4	3404	8.0%
5	1699	4.0%
6	1389	3.3%
7	461	1.1%
8	870	2.1%
9	317	0.7%
10	628	1.5%
11	1076	2.5%
12	1142	2.7%
13	2136	5.0%
14	1688	4.0%
15	2038	4.8%
16	188	0.4%
17	361	0.9%
18	498	1.2%
19	189	0.4%
20	321	0.8%
21	357	0.8%
22	4064	9.6%
23	1964	4.6%
24	1656	3.9%
25	1282	3.0%
26	787	1.9%
27	289	0.7%

Strata	Frequency	Percent
28	299	0.7%
29	721	1.7%
30	296	0.7%
<i>Total</i>	42431	100.0%

**Table F.1.7: GPS Type**

GPS Type	Frequency	Percent
Wearable	4895	68.7%
In-Vehicle	525	7.4%
In-Vehicle OBD	1701	23.9%
<i>Total</i>	7121	100.0%

**Table F.1.8: Transit Use at Least Once Per Week**

Transit Use at Least Once Per Week	Frequency	Percent
Yes	9343	22.0%
No	32969	77.7%
Don't Know	114	0.3%
Refused	5	0.0%
<i>Total</i>	42431	100.0%

**Table F.1.9: Number of Household Vehicles**

Number of Household Vehicles	Frequency	Percent
0	2459	5.8%
1	12678	29.9%
2	18657	44.0%
3 or More	8637	20.4%
<i>Total</i>	42431	100.0%

**Table F.1.10: Number of Household Bicycles**

Number of Household Bicycles	Frequency	Percent
0	16830	39.7%

Number of Household Bicycles	Frequency	Percent
1	8091	19.1%
2	8372	19.7%
3 or More	9138	21.5%
<i>Total</i>	42431	100.0%

**Table F.1.11: New Vehicle**

New Vehicle	Frequency	Percent
Yes	19203	45.3%
No	18946	44.7%
Don't Know	4269	10.1%
Refused	13	0.0%
<i>Total</i>	42431	100.0%

**Table F.1.12: Buyer**

Buyer	Frequency	Percent
Self/Respondent	16379	63.9%
Spouse/Partner	7627	29.7%
Child/Daughter/Son/Adopted Child/Stepchild/Son-in-law/Daughter-in-law	1167	4.5%
Other relatives	349	1.4%
No relation/Housemate/Roommate/Foster Child	91	0.4%
Refused	39	0.2%
<i>Total</i>	25652	100.0%

**Table F.1.13: Household Income**

Household Income	Frequency	Percent
\$0 to \$9,999	1680	4.0%
\$10,000 to \$24,999	4751	11.2%
\$25,000 to \$34,999	3382	8.0%
\$35,000 to \$49,999	4541	10.7%
\$50,000 to \$74,999	6903	16.3%
\$75,000 to \$99,999	5870	13.8%
\$100,000 to \$149,999	6470	15.2%
\$150,000 to \$199,999	2722	6.4%
\$200,000 to \$249,999	1187	2.8%

Household Income	Frequency	Percent
\$250,000 or more	1283	3.0%
Don't Know	1187	2.8%
Refused	2455	5.8%
<i>Total</i>	42431	100.0%

**Table F.1.14: Household Size**

Household Size	Frequency	Percent
1	9140	21.5%
2	16319	38.5%
3	6821	16.1%
4 or More	10151	23.9%
<i>Total</i>	42431	100.0%

**Table F.1.15: Non-Related Household Flag**

Non-Related Household Flag	Frequency	Percent
Yes	1522	100.0%
<i>Total</i>	1522	100.0%

**Table F.1.16: Number of Household Workers**

Number of Household Workers	Frequency	Percent
0	9120	21.5%
1	17915	42.2%
2	12818	30.2%
3 or More	2578	6.1%
<i>Total</i>	42431	100.0%

**Table F.1.17: Number of Household Students**

Number of Household Students	Frequency	Percent
0	27219	64.1%
1	6984	16.5%
2	5374	12.7%
3 or More	2854	6.7%

Number of Household Students	Frequency	Percent
Total	42431	100.0%

**Table F.1.18: Number of Household Driver's License Holders**

Number of Household Drivers License Holders	Frequency	Percent
0	1468	3.5%
1	11794	27.8%
2	22349	52.7%
3 or More	6820	16.1%
Total	42431	100.0%

**Table F.1.19: Assigned Travel Day of Week**

Assigned Travel Day	Frequency	Percent
Monday	5788	13.6
Tuesday	6119	14.4
Wednesday	6139	14.5
Thursday	6252	14.7
Friday	5918	13.9
Saturday	5979	14.1
Sunday	6236	14.7
Total	42431	100.0

**Table F.1.20: Household State**

Household State	Frequency	Percent
CA	42431	100.0%
Total	42431	100.0%

**Table F.1.21: Reason of No Possession of Vehicle**

Reason of No Possession of Vehicle	Frequency	Percent
Do not need a car - can do what I need and want to without a motor vehicle	310	10.6%
Too expensive to buy	575	19.6%
Too expensive to maintain (gas/insurance/repairs)	385	13.1%

Reason of No Possession of Vehicle	Frequency	Percent
Health/age related reasons	240	8.2%
Cannot get insurance	22	0.8%
Concerned about impact on environment	105	3.6%
Get rides from other people	106	3.6%
No place to park	68	2.3%
USE PUBLIC TRANSIT/CAR SHARE/BIKE/WALK - HHBIC	384	13.1%
NO DRIVER'S LICENSE - HHBIC	237	8.1%
CANNOT DRIVE - HHBIC	291	9.9%
OTHER - HHBIC	186	6.3%
Don't Know	16	0.5%
Refused	6	0.2%
<i>Total</i>	2931	100.0%

**Table F.1.22: Number of Operational Household Vehicles**

Number of Operational Household Vehicles	Frequency	Percent
0	354	0.9%
1	12671	31.4%
2	18663	46.3%
3 or More	8639	21.4%
<i>Total</i>	40327	100.0%

**Table F.1.23: Number of Vehicles with Power Outlets**

Number of Vehicles with Power Outlets	Frequency	Percent
0	0	0.0%
1	551	24.8%
2	1174	52.7%
3 or More	501	22.5%
<i>Total</i>	2226	100.0%

**Table F.1.24: Number of NEWER Vehicles with Power Outlets**

Number of NEWER Vehicles with Power Outlets	Frequency	Percent
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Number of NEWER Vehicles with Power Outlets	Frequency	Percent
0	0	0.0%
1	498	29.3%
2	877	51.6%
3 or More	326	19.2%
<i>Total</i>	1701	100.0%

**Table F.1.25: Willingness to Participate in Future Studies**

Willingness to Participate in Future Studies	Frequency	Percent
Yes	28776	67.8%
No	13655	32.2%
<i>Total</i>	42431	100.0%

**Table F.1.26: Complete Long Distance Log**

Complete Long Distance Log	Frequency	Percent
Yes (Completed)	22692	53.5%
No (Not Completed)	16965	40.0%
Did not receive log	2448	5.8%
Don't Know	231	0.5%
Refused	95	0.2%
<i>Total</i>	42431	100.0%

**Table F.1.27: Household Member who Completed LD Log**

Household Member who Completed LD Log	Frequency	Percent
1	6274	51.9%
2	628	5.2%
3	66	0.5%
4	13	0.1%
5	2	0.0%
7	1	0.0%
Don't Know	5093	42.1%
Refused	10	0.1%

Household Member who Completed LD Log	Frequency	Percent
Total	12087	100.0%

**Table F.1.28: Long Distance Trip in Last 8 Weeks**

Long Distance Trip in Last 8 Weeks	Frequency	Percent
Yes, we made long distance trips to report	17784	41.9%
No, we did not make any long distance trips.	24599	58.0%
Don't Know	27	0.1%
Refused	21	0.0%
Total	42431	100.0%

**Table F.1.29: Household Flag who reported LD Trips**

Household Flag who reported LD Trips	Frequency	Percent
Yes	12978	81.5%
No	2951	18.5%
<i>Total</i>	15929	100.0%

**Table F.1.30: Hispanic Household Flag**

Hispanic Household Flag	Frequency	Percent
Yes	10249	24.2%
No	32182	75.8%
<i>Total</i>	42431	100.0%

**Table F.1.31: Household Complete Flag**

Household Complete Flag	Frequency	Percent
Complete (All household members reported travel)	42132	99.3%
Valid Partial Complete (Large HH in N-1 rule)	299	0.7%
<i>Total</i>	42431	100.0%

**Table F.1.31: GPS Complete Flag**

GPS Complete Flag	Frequency	Percent
It was GPS assigned sample and completed GPS	5705	100.0%
<i>Total</i>	5705	100.0%

## 2.0 Person Table Frequencies

**Table F.2.1: Relationship to Head of Household**

Relationship to Head of Household	Frequency	Percent
Self	42433	38.9%
Spouse/Partner	27252	25.0%
Child/Daughter/Son/Adopted child/Stepchild/Son-in-law/Daughter-in-law	29416	27.0%
Parent/Parent in-law/Step-Parent	3601	3.3%
Brother or sister (stepbrother/stepsister)	1629	1.5%
Grandparent	169	0.2%
Grandchild	1743	1.6%

Relationship to Head of Household	Frequency	Percent
OTHER RELATIVE	1063	1.0%
NO RELATION/HOUSEMATE/ROOMMATE/FOSTER CHILD	1633	1.5%
Refused	174	0.2%
<i>Total</i>	109113	100.0%

**Table F.2.2: Gender**

Gender	Frequency	Percent
MALE	52939	48.5%
FEMALE	55863	51.2%
Refused	311	0.3%
<i>Total</i>	109113	100.0%

**Table F.2.3: Age**

Age	Frequency	Percent
Less than 25 Yrs Old	28488	26.1%
25-34 yrs	7845	7.2%
35-44 yrs	11514	10.6%
45-54 yrs	17661	16.2%
55-64 yrs	21985	20.1%
65+ Yrs or Older	17696	16.2%
Don't Know	938	0.9%
Refused	2986	2.7%
<i>Total</i>	109113	100.0%

**Table F.2.4: Age is Refused**

Age is Refused	Frequency	Percent
Younger than 16 or over 75	669	17.0%
Between 16 and 75	3086	78.6%
Don't Know	49	1.2%
Refused	122	3.1%
<i>Total</i>	3926	100.0%

**Table F.2.5: Hispanic or Latino Status**

Hispanic or Latino	Frequency	Percent
Yes	27692	25.4%
No	80267	73.6%
Don't Know	229	0.2%
Refused	925	0.8%
<i>Total</i>	109113	100.0%

**Table F.2.6: Race**

Race	Frequency	Percent
White	78659	69.2%
Black or African American	3983	3.5%
American Indian or Alaska Native	6978	6.1%
Asian (Asian Indian, Japanese, Chinese, Korean, Filipino, Vietnamese)	7883	6.9%
Native Hawaiian or Pacific Islander (Guamanian, Samoan, Fijian)	615	0.5%
Other, specify	12628	11.1%
Don't Know	678	0.6%
Refused	2192	1.9%
<i>Total</i>	113616	100.0%

**Table F.2.7: Nativity**

Nativity	Frequency	Percent
Yes	90366	82.8%
No	18422	16.9%
Don't Know	113	0.1%
Refused	212	0.2%
<i>Total</i>	109113	100.0%

**Table F.2.8: Year Moved to United States**

Year Moved to United States	Frequency	Percent
Before 1970	2690	14.3%
1970 thru 1989	5886	31.4%
1990 thru 1999	3756	20.0%
2000 thru 2009	3477	18.5%
2010	151	0.8%
2011	112	0.6%

Year Moved to United States	Frequency	Percent
2012	74	0.4%
Don't Know	2225	11.9%
Refused	376	2.0%
<i>Total</i>	18747	100.0%

**Table F.2.9: Possession of Valid License**

Valid License	Frequency	Percent
Yes	78957	88.1%
No	10490	11.7%
Don't Know	113	0.1%
Refused	75	0.1%
<i>Total</i>	89635	100.0%

**Table F.2.10: Vehicle Driven by Respondent**

Vehicle Driven by Respondent	Frequency	Percent
1	43672	56.3%
2	23663	30.5%
3	5388	7.0%
4	1152	1.5%
5	226	0.3%
6	46	0.1%
7	12	0.0%
8	3	0.0%
9	3	0.0%
Don't Know	2055	2.7%
Refused	1288	1.7%
<i>Total</i>	77508	100.0%

**Table F.2.11: Transit Pass**

Transit Pass	Frequency	Percent
Yes	8137	9.1%
No	81026	90.4%
Don't Know	391	0.4%
Refused	72	0.1%

Transit Pass	Frequency	Percent
Total	89626	100.0%

**Table F.2.12: Type of Transit Pass**

Type of Transit Pass	Frequency	Percent
Bay Area Clipper Card	2881	32.6%
San Diego Compass Card	176	2.0%
TAP Card or EZ transit Pass	1104	12.5%
Other local bus pass	1698	19.2%
Other Express / Commuter bus pass	195	2.2%
Other Light Rail / Subway / Train / Streetcar pass	540	6.1%
Dial-a-ride/paratransit pass	268	3.0%
Ferry/boat pass	42	0.5%
Other, specify	1638	18.5%
Don't Know	285	3.2%
Refused	14	0.2%
Total	8841	100.0%

**Table F.2.13: Type of Clipper Card**

Type of Clipper Card	Frequency	Percent
CASH VALUE	1432	45.4%
AC TRANSIT - ADULT 31-DAY LOCAL PASS	84	2.7%
AC TRANSIT - ADULT 31-DAY TRANSBAY PASS	18	0.6%
AC TRANSIT - SENIOR/RTC LOCAL MONTHLY PASS	68	2.2%
AC TRANSIT - YOUTH 31-DAY LOCAL PASS	18	0.6%
BART - \$48 HIGH VALUE DISCOUNT	250	7.9%
BART - \$64 HIGH VALUE DISCOUNT CARD	250	7.9%
CALTRAIN - ADULT MONTHLY PASS	83	2.6%
CALTRAIN - ADULT MONTHLY AND MUNI PASS	14	0.4%
CALTRAIN - ADULT 8-RIDE TICKET	33	1.0%
CALTRAIN - ELIGIBLE DISCOUNT MONTHLY PASS	2	0.1%
CALTRAIN - ELIGIBLE DISCOUNT 8-RIDE TICKET	2	0.1%
SF MUNI - ADULT MUNI/BART "A" FAST PASS	149	4.7%
SF MUNI - ADULT MUNI ONLY "M" MONTHLY PASS	135	4.3%

Type of Clipper Card	Frequency	Percent
SF MUNI – ADULT 10-RIDE BOOK	15	0.5%
SF MUNI – SENIOR MONTHLY PASS	60	1.9%
SF MUNI – DISABLED MONTHLY PASS	16	0.5%
SF MUNI – YOUTH MONTHLY PASS	8	0.3%
SAMTRANS – ADULT LOCAL MONTHLY PASS	11	0.3%
SAMTRANS – ADULT LOCAL/SF MONTHLY PASS	2	0.1%
SAMTRANS – ELIGIBLE DISCOUNT MONTHLY PASS	3	0.1%
VTA – ADULT MONTHLY PASS	30	1.0%
VTA – EXPRESS ADULT MONTHLY PASS	7	0.2%
VTA – SENIOR/RTC MONTHLY PASS	18	0.6%
VTA – YOUTH MONTHLY PASS	2	0.1%
Don't Know	362	11.5%
Refused	84	2.7%
<i>Total</i>	3156	100.0%

**Table F.2.14: Type of TAP / EZ Pass Card**

Type of TAP / EZ Pass Card	Frequency	Percent
30-DAY PASS	373	33.8%
7-DAY PASS	109	9.9%
EZ TRANSIT PASS	93	8.4%
FREEWAY EXPRESS STAMP	11	1.0%
TAP STORED VALUE	353	32.0%
Don't Know	155	14.0%
Refused	10	0.9%
<i>Total</i>	1104	100.0%

**Table F.2.15: Toll Pass**

Toll Pass	Frequency	Percent
Yes	11247	12.5%
No	77944	87.0%
Don't Know	383	0.4%
Refused	50	0.1%
<i>Total</i>	89624	100.0%

**Table F.2.16: Car Sharing**



Car Sharing	Frequency	Percent
Yes	800	0.9%
No	88448	98.7%
Don't Know	320	0.4%
Refused	58	0.1%
<i>Total</i>	89626	100.0%

**Table F.2.17: Employed?**

Employed?	Frequency	Percent
Yes	51838	57.8%
No	37544	41.9%
Don't Know	121	0.1%
Refused	127	0.1%
<i>Total</i>	89630	100.0%

**Table F.2.18: Employment Status**

Employment Status	Frequency	Percent
Retired	16953	44.9%
Disabled / On Disability Status	4021	10.6%
Homemaker	5558	14.7%
Unemployed but looking for work	4106	10.9%
Unemployed and not looking for work	665	1.8%
Student	5720	15.1%
Volunteer	365	1.0%
OTHER (specify)	282	0.7%
Don't Know	20	0.1%
Refused	102	0.3%
<i>Total</i>	37792	100.0%

**Table F.2.19: Number of Jobs**

Number of Jobs	Frequency	Percent
1	47995	92.6%
2	3204	6.2%
3	381	0.7%
4 or More	258	0.5%

Number of Jobs	Frequency	Percent
Total	51838	100.0%

**Table F.2.20: Primary Work Location**

Primary Work Location	Frequency	Percent
Fixed	37761	72.8%
Home	8688	16.8%
No fixed workplace, varies	5239	10.1%
Don't Know	95	0.2%
Refused	55	0.1%
Total	51838	100.0%

**Table F.2.21: Primary Work State**

Primary Work State	Frequency	Percent
AK	3	0.0%
AZ	21	0.0%
CA	42899	99.4%
CO	2	0.0%
CT	1	0.0%
DC	5	0.0%
FL	4	0.0%
GA	4	0.0%
HI	1	0.0%
IL	8	0.0%
IN	1	0.0%
IA	2	0.0%
KS	1	0.0%
KY	1	0.0%
MD	4	0.0%
MA	4	0.0%
MI	5	0.0%
MO	3	0.0%
NE	3	0.0%
NV	71	0.2%
NH	2	0.0%
NJ	3	0.0%

Primary Work State	Frequency	Percent
NY	7	0.0%
NC	3	0.0%
ND	2	0.0%
OH	8	0.0%
OR	16	0.0%
PA	3	0.0%
SC	1	0.0%
SD	1	0.0%
TN	3	0.0%
TX	14	0.0%
UT	6	0.0%
VA	2	0.0%
WA	9	0.0%
WI	2	0.0%
WY	1	0.0%
Refused	24	0.1%
<i>Total</i>	43150	100.0%

**Table F.2.22: Work Days**

Work Days	Frequency	Percent
Monday	13719	11.3%
Tuesday	14453	11.9%
Wednesday	14716	12.1%
Thursday	14483	11.9%
Friday	12628	10.4%
Saturday	10652	8.8%
Sunday	7212	5.9%
Don't Know	33288	27.4%
Refused	209	0.2%
<i>Total</i>	121360	100.0%

**Table F.2.23: Hours Worked per Day**

Hours Worked per Day	Frequency	Percent
Less than 10 Hrs	2726	5.3%
10-19 Hrs	3425	6.6%

Hours Worked per Day	Frequency	Percent
20-29 Hrs	4781	9.2%
30-39 Hrs	5804	11.2%
40-49	29283	56.5%
60+ Hrs	3491	6.7%
Don't Know	2076	4.0%
Refused	252	0.5%
<i>Total</i>	51838	100.0%

**Table F.2.24: Flexible Work Schedule**

Flexible Work Schedule	Frequency	Percent
I have no flexibility in my work schedule	17602	34.0%
I have some flexibility in my work schedule	22804	44.0%
I'm pretty much free to adjust my schedule as I like	10601	20.5%
Don't Know	700	1.4%
Refused	131	0.3%
<i>Total</i>	51838	100.0%

**Table F.2.25: Flexible Programs Offered**

Flexible Programs Offered	Frequency	Percent
Yes	11593	22.7%
No	36573	71.7%
Don't Know	2732	5.4%
Refused	110	0.2%
<i>Total</i>	51008	100.0%

**Table F.2.26: Work Mode**

Work Mode	Frequency	Percent
Walk	1041	2.4%
Bike	987	2.3%
Wheelchair / Mobility Scooter	11	0.0%
Other Non-Motorized	47	0.1%
Auto / Van / Truck Driver	35804	82.9%
Auto / Van / Truck Passenger	1412	3.3%
Carpool / Vanpool	863	2.0%

Work Mode	Frequency	Percent
Motorcycle / Scooter / Moped	192	0.4%
Taxi / Hired Car / Limo	17	0.0%
Rental Car/Vehicle	37	0.1%
Private shuttle (SuperShuttle, employer, hotel, etc.)	61	0.1%
Greyhound Bus	4	0.0%
Plane	60	0.1%
Other Private Transit	100	0.2%
Local Bus, Rapid Bus	1164	2.7%
Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc)	191	0.4%
Premium Bus ( Metro Orange / Silver Line )	24	0.1%
School Bus	8	0.0%
Public Transit Shuttle (DASH, Emery Go Round, etc.)	64	0.1%
AirBART / LAX FlyAway	7	0.0%
Dial-a-Ride / Paratransit (Access Services, etc.)	17	0.0%
Amtrak Bus	9	0.0%
Other Bus	43	0.1%
BART, Metro Red / Purple Line	517	1.2%
ACE, Amtrak, Caltrain, Coaster, Metrolink	185	0.4%
Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA	192	0.4%
Street Car / Cable Car	24	0.1%
Other Rail	42	0.1%
Ferry / Boat	37	0.1%
Refused	6	0.0%
<i>Total</i>	43166	100.0%

**Table F.2.27: Industry**

Industry	Frequency	Percent
Agriculture, Farming, Forestry, Fishing, Hunting	1794	3.5%
Mining, Quarrying, Oil or Gas Drilling Company	273	0.5%
Utility Company, Sewage Treatment Facility, Utilities in General	868	1.7%
Construction	2135	4.1%
Manufacturing, Including Bakery, Food Processor, Mill, Manufacturer, Machine Shop, Medical	2938	5.7%

Industry	Frequency	Percent
Biotechnology		
Wholesale Trade	408	0.8%
Retail Trade, Including Store, Shop, Dealer (E.G. Auto Dealer)	3903	7.5%
Transportation, Bus or Train Company, Airline, Postal Service, Warehouse or Storage	1771	3.4%
Information, Including Publisher, Phone Company, Movie Company, Internet Company, Library, Data Processing, Computer Com	2522	4.9%
Finance and Insurance such as Bank, Insurance Company, Credit Union, Finance Company	2012	3.9%
Real Estate Company, Any Rental or Leasing Company Including Auto or Video Rental	932	1.8%
Professional Scientific or Technical Services, Including Law, Accounting, Design, Engineering, Consulting or Advertising	4513	8.7%
MANAGEMENT OF COMPANIES AND ENTERPRISES	605	1.2%
Administrative Support, Including Employment Agency, Travel Agency, Security Guard Company, Waste Management (Trash) Com	826	1.6%
Educational Services, Including School, University, Training School	7647	14.8%
Health Care and Social Assistance, Including Hospital, Doctors Office, Assisted Living Home, Day Care Center	5949	11.5%
Arts, Entertainment and Recreation, Including Art Gallery, Museum, Theatre, Bowling Alley, Casino	1781	3.4%
Accommodation or Food Services, Including Hotel, Restaurant	1921	3.7%
Other Services (Except Public Administration) such as Auto Repair, Hair or Nail Salon, Barber Shop, Funeral Home, Labor	2573	5.0%
Public Administration, such as Government Agency, City or County Department, Military	4453	8.6%
Other, specify	822	1.6%
Don't Know	585	1.1%
Refused	607	1.2%
<i>Total</i>	51838	100.0%

**Table F.2.28: Occupation**

Occupation	Frequency	Percent
Management Occupations, such as President, CEO, Manager, Director	7742	14.9%
Business and Financial Operations Occupants, such as Management Analyst, Research Analyst, Agent, Accountant	3343	6.4%

Occupation	Frequency	Percent
Computer and Mathematical Occupations, such as Computer Programmer, Web Developer, Statistician	2197	4.2%
Architecture and Engineering Occupations, such as Architect, Engineer, Drafter, Surveyor	1919	3.7%
Life, Physical, and Social Science Occupations, such as Scientist, Survey Research, Psychologist, Science Technician	983	1.9%
Community and Social Service Occupations, such as Counselor, Clergy, Social Worker, Probation Officer	918	1.8%
Legal Occupations, such as Lawyer, Law Clerk, Paralegal	877	1.7%
Education, Training and Library Occupations, such as Teacher, College Professor, Librarian, Teacher Assistant	5965	11.5%
Arts, Design, Entertainment, Sports and Media Occupations, such as Professional Athlete, Writer, Camera Operator	1543	3.0%
Healthcare Practitioners and Technical Occupations, including MD, RN, LVN, Dentist, Veterinarian, Licensed Technician,	2309	4.5%
Healthcare Support Occupations, such as Health Aide, Nursing Assistant, Massage Therapist	1579	3.0%
Protective Service Occupations, such as Correctional Officer, Police Officer, Firefighter, Security Guard, Crossing Guar	871	1.7%
Food Preparation and Serving Related Occupations, such as Cook, Waiter/Waitress, Bartender, Food Server, Dishwasher	1720	3.3%
Building and Grounds Cleaning and Maintenance Operations, such as Janitor, Maid, Housekeeper, Gardener	1315	2.5%
Personal Care and Service Occupations, such as Hairdresser, Tour Guide, Childcare Worker, Card Dealer	1180	2.3%
Sales and Related Occupations, such as Cashier, Sales Clerk, Sales Agent, Real Estate Broker	3750	7.2%
Office and Administrative Support Occupations, such as Bank Teller, Office Clerk, Account Clerk, Postal Service Clerk, D	3705	7.1%
Farming, Fishing, and Forestry Occupations, including Farmer, Field Worker, Animal Trainer/Breeder	942	1.8%
Construction and Extraction Occupations, including Electrician, Carpenter, Painter, Construction Equipment Operator, Min	1610	3.1%
Installation, Maintenance, and Repair Occupations, such as Repairer, Mechanic, Equipment Installer	1372	2.6%
Production Occupations, such as Assembler, Baker, Machinist, Lab Technician (Medical, Dental, and Ophthalmic), Jeweler	1124	2.2%
Transportation and Material Moving Occupations, such as Bus or Taxi Driver, Truck Driver, Crane Operator, Ship Loader	1668	3.2%
Military Specific Occupations	191	0.4%
Other: (Specify)	1393	2.7%

Occupation	Frequency	Percent
Don't Know	877	1.7%
Refused	745	1.4%
<i>Total</i>	51838	100.0%

**Table F.2.29: Secondary Work Location**

Secondary Work Location	Frequency	Percent
Fixed	1787	48.4%
Home	914	24.8%
No fixed workplace, varies	956	25.9%
Don't Know	26	0.7%
Refused	8	0.2%
<i>Total</i>	3691	100.0%

**Table F.2.30: Secondary Work State**

Secondary Work State	Frequency	Percent
AK	1	0.0%
AZ	2	0.1%
CA	2211	81.0%
CO	1	0.0%
CT	1	0.0%
DC	1	0.0%
ID	1	0.0%
IL	3	0.1%
NV	2	0.1%
NM	1	0.0%
NY	1	0.0%
OR	2	0.1%
PA	1	0.0%
VA	1	0.0%
WA	1	0.0%
Refused	501	18.3%
<i>Total</i>	2731	100.0%

**Table F.2.31: Disability Status**



Disability Status	Frequency	Percent
Yes	8296	7.6%
No	100485	92.1%
Don't Know	142	0.1%
Refused	190	0.2%
<i>Total</i>	109113	100.0%

**Table F.2.32: Disability Type**

Disability Type	Frequency	Percent
Hearing impaired/deaf (serious difficulty hearing)	478	4.1%
Sight impaired/blind (includes difficulty seeing even when wearing glasses)	842	7.2%
Cognitive impaired, such as serious difficulty concentrating, remembering or making decisions	1192	10.2%
Balance or respiratory impairment, such as difficulty walking or climbing stairs with difficulty	4365	37.4%
Difficulty dressing or bathing	617	5.3%
Difficulty doing errands alone, such as visiting a doctors office or shopping	1375	11.8%
Other, specify	2219	19.0%
Don't Know	226	1.9%
Refused	362	3.1%
<i>Total</i>	11676	100.0%

**Table F.2.33: Disabled License Plate**

Disabled License Plate	Frequency	Percent
Yes	4088	51.3%
No	3851	48.3%
Don't Know	30	0.4%
Refused	3	0.0%
<i>Total</i>	7972	100.0%

**Table F.2.34: Disabled Transit Registration**

Disabled Transit Registration	Frequency	Percent
Yes	957	11.5%
No	7268	87.6%
Don't Know	69	0.8%
Refused	2	0.0%

Disabled Transit Registration	Frequency	Percent
Total	8296	100.0%

**Table F.2.35: Transit Trips in Past Week**

Transit Trips in Past Week	Frequency	Percent
1	1517	6.6%
2	3308	14.4%
3	892	3.9%
4 or More	17335	75.2%
Total	23052	100.0%

**Table F.2.36: Transit Subsidy**

Transit Subsidy	Frequency	Percent
Yes	2289	9.9%
No	20058	87.0%
Don't Know	536	2.3%
Refused	169	0.7%
Total	23052	100.0%

**Table F.2.37: Fare Amount Unit**

Fare Amount Unit	Frequency	Percent
Per Hour	17	0.7%
Per Day	94	4.1%
Per Week	93	4.1%
Per Month	739	32.3%
Per Semester	114	5.0%
Per Year	171	7.5%
Other, specify	88	3.8%
Don't Know	738	32.2%
Refused	235	10.3%
Total	2289	100.0%

**Table F.2.38: Walk Trips in the Last Week**

Walk in the Last Week	Frequency	Percent
1	5403	6.1%

Walk in the Last Week	Frequency	Percent
2	10170	11.4%
3	11529	12.9%
4 or More	62023	69.6%
<i>Total</i>	89125	100.0%

**Table F.2.39: Bike Trips in the Last Week**

Bike Trips in the Last Week	Frequency	Percent
1	5468	23.9%
2	5032	22.0%
3	3249	14.2%
4 or More	9135	39.9%
<i>Total</i>	22884	100.0%

**Table F.2.40: Student**

Student	Frequency	Percent
YES - Full Time	22904	21.0%
YES - Part Time	4427	4.1%
NO	81409	74.6%
Don't Know	243	0.2%
Refused	130	0.1%
<i>Total</i>	109113	100.0%

**Table F.2.41: School Grade Level**

School Grade Level	Frequency	Percent
Daycare	569	2.1%
Nursery school, pre-school	1132	4.1%
Kindergarten to grade 8	11891	43.5%
Grade 9 to 12	6448	23.6%
Technical/vocational school	688	2.5%
2-year college (community college)	2898	10.6%
4-year college or university	2218	8.1%
Graduate school/professional	927	3.4%
Other, specify	401	1.5%
Nursery school, pre-school	86	0.3%
Kindergarten to grade 8	76	0.3%

School Grade Level	Frequency	Percent
Total	27334	100.0%

**Table F.2.42: Home Schooled**

Home Schooled	Frequency	Percent
Yes	1104	5.7%
No	18317	94.2%
Don't Know	22	0.1%
Refused	11	0.1%
Total	19454	100.0%

**Table F.2.43: Online School**

Online School	Frequency	Percent
On campus only	4606	68.4%
Online only	789	11.7%
Both on campus and online	1198	17.8%
Don't Know	60	0.9%
Refused	80	1.2%
Total	6733	100.0%

**Table F.2.44: Pre-School Location**

Pre-School Location	Frequency	Percent
Home of a relative/family member	29	5.1%
Home of friend	39	6.9%
Private daycare center	464	81.8%
Other, specify	21	3.7%
Don't Know	5	0.9%
Refused	9	1.6%
Total	567	100.0%

**Table F.2.45: School State**

School State	Frequency	Percent
AZ	22	0.1%
CA	25179	99.0%
CO	13	0.1%

School State	Frequency	Percent
CT	1	0.0%
DC	5	0.0%
FL	5	0.0%
GA	5	0.0%
HI	4	0.0%
ID	12	0.0%
IL	13	0.1%
IN	3	0.0%
IA	2	0.0%
KS	3	0.0%
LA	2	0.0%
ME	1	0.0%
MD	2	0.0%
MA	14	0.1%
MI	5	0.0%
MN	2	0.0%
MS	1	0.0%
MO	7	0.0%
MT	2	0.0%
NE	1	0.0%
NV	20	0.1%
NJ	1	0.0%
NM	2	0.0%
NY	11	0.0%
NC	4	0.0%
OH	4	0.0%
OR	17	0.1%
PA	10	0.0%
RI	1	0.0%
SC	3	0.0%
TN	4	0.0%
TX	7	0.0%
UT	9	0.0%
VT	2	0.0%
VA	4	0.0%

School State	Frequency	Percent
WA	14	0.1%
WV	2	0.0%
WI	4	0.0%
99	17	0.1%
Total	25440	100.0%

**Table F.2.46: School Mode**

School Mode	Frequency	Percent
Walk	3973	15.6%
Bike	862	3.4%
Wheelchair / Mobility Scooter	2	0.0%
Other Non-Motorized	59	0.2%
Auto / Van / Truck Driver	4998	19.6%
Auto / Van / Truck Passenger	11017	43.3%
Carpool / Vanpool	708	2.8%
Motorcycle / Scooter / Moped	29	0.1%
Taxi / Hired Car / Limo	12	0.0%
Rental Car/Vehicle	25	0.1%
Private shuttle (SuperShuttle, employer, hotel, etc.)	22	0.1%
Plane	41	0.2%
Other Private Transit	113	0.4%
Local Bus, Rapid Bus	1074	4.2%
Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc)	35	0.1%
Premium Bus ( Metro Orange / Silver Line )	12	0.0%
School Bus	1982	7.8%
Public Transit Shuttle (DASH, Emery Go Round, etc.)	48	0.2%
AirBART / LAX FlyAway	1	0.0%
Dial-a-Ride / Paratransit (Access Services, etc.)	27	0.1%
Amtrak Bus	2	0.0%
Other Bus	41	0.2%
BART, Metro Red / Purple Line	79	0.3%
ACE, Amtrak, Caltrain, Coaster, Metrolink	20	0.1%
Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA	52	0.2%

School Mode	Frequency	Percent
Street Car / Cable Car	7	0.0%
Other Rail	14	0.1%
Ferry / Boat	2	0.0%
Refused	180	0.7%
<i>Total</i>	25437	100.0%

**Table F.2.47: Level of Education Completed**

Level of Education Completed	Frequency	Percent
Not a high school graduate, 12 grade or less (This includes very young children too.)	28797	26.4%
High school graduate (high school diploma or GED)	16589	15.2%
Some college credit but no degree	15030	13.8%
Associate or technical school degree	9258	8.5%
Bachelor's or undergraduate degree	21036	19.3%
Graduate degree (includes professional degree like MD, DDs, JD)	16242	14.9%
Other, specify	73	0.1%
Don't Know	1631	1.5%
Refused	457	0.4%
<i>Total</i>	109113	100.0%

**Table F.2.48: Interviewing this Person**

Interviewing this Person	Frequency	Percent
Yes	51788	80.6%
No	12500	19.4%
<i>Total</i>	64288	100.0%

**Table F.2.49: Who Served as Proxy**

Who Served as Proxy	Frequency	Percent
1	8238	61.2%
2	3662	27.2%
3	992	7.4%
4	355	2.6%
5	135	1.0%
6	63	0.5%
7	21	0.2%

Who Served as Proxy	Frequency	Percent
8	2	0.0%
<i>Total</i>	13468	100.0%

**Table F.2.50: Recorded Travel in Logs**

Recorded Travel in Logs	Frequency	Percent
Yes [completed]	89269	81.8%
No [not completed]	16528	15.1%
Did not receive materials	2607	2.4%
Don't know	515	0.5%
Refused	194	0.2%
<i>Total</i>	109113	100.0%

**Table F.2.51: Have Diary to Refer to**

Have Diary to Refer to	Frequency	Percent
Yes	86977	97.4%
No	2175	2.4%
Prefer not to answer	105	0.1%
<i>Total</i>	89257	100.0%

**Table F.2.52: Toll Road Used**

Toll Road Used	Frequency	Percent
I-580 Express Lanes (Alameda County)	32	5.3%
I-680 Express Lanes (Alameda County)	76	12.5%
91 Express Lanes (Orange and Riverside Counties)	108	17.8%
San Joaquin Hills Toll Road (SR-73) (Orange County)	83	13.7%
Foothill Toll Road (SR-241) (Orange County)	84	13.9%
Eastern (SR-241/SR-261/SR-133) Toll (Orange County)	97	16.0%
Interstate 15 Express Lanes (San Diego County)	33	5.4%
South Bay Expressway (SBX) (SR-125) (San Diego County)	20	3.3%
17-Mile Drive (Monterey County)	7	1.2%
Not sure	45	7.4%
Prefer to not answer	21	3.5%
<i>Total</i>	606	100.0%



**Table F.2.53: Toll Bridge Used**

Toll Bridge Used	Frequency	Percent
Antioch Bridge	15	1.0%
Benicia - Martinez Bridge	183	12.7%
Carquinez Bridge	209	14.5%
Dumbarton Bridge	85	5.9%
Golden Gate Bridge	234	16.3%
Richmond - San Rafael Bridge	153	10.6%
San Francisco - Oakland Bay Bridge	396	27.6%
San Mateo - Hayward Bridge	141	9.8%
Not sure	21	1.5%
<i>Total</i>	1437	100.0%

**Table F.2.54: HOV Lane Used**

HOV Lane Used	Frequency	Percent
Yes	3737	5.0%
No	69772	93.4%
Not sure	1192	1.6%
Prefer not to answer	20	0.0%
<i>Total</i>	74721	100.0%

**Table F.2.55: Reason for No Travel**

Reason for No Travel	Frequency	Percent
Personally sick	2360	9.1%
Vacation or personal day	2295	8.8%
Caretaking sick kids	120	0.5%
Caretaking sick other	374	1.4%
Homebound elderly or disabled	1639	6.3%
Worked at home for pay	699	2.7%
Not scheduled to work	1194	4.6%
Worked around home (not for pay)	1788	6.9%
No transportation available	279	1.1%
Out of California	2170	8.3%
Weather	502	1.9%
No reason to travel	11672	44.8%
Other, Specify	730	2.8%

Reason for No Travel	Frequency	Percent
Not sure	151	0.6%
Prefer to not answer	62	0.2%
<i>Total</i>	26035	100.0%

**Table F.2.56: Person Incomplete Retrieval Flag**

Person Incomplete Retrieval Flag	Frequency	Percent
Did not report travel	335	100.0%
<i>Total</i>	335	100.0%

**Table F.2.57: Moto Trip Flag**

Moto Trip Flag	Frequency	Percent
Yes, has at least one moto-trip on travel day (MODE, 5, 6, 7, 8, 10)	74721	69.7%
No, do not have moto-trip on travel day	32488	30.3%
<i>Total</i>	107209	100.0%

### 3.0 Vehicle Table Frequencies

**Table F.3.1: Vehicle Year**

Vehicle Year	Frequency	Percent
Between 1920 and 1969	693	0.9%
Between 1970 and 1989	3160	4.0%
Between 1990 and 1999	15978	20.2%
Between 2000 and 2010	50330	63.7%
2011	3282	4.2%
2012	2750	3.5%
2013	245	0.3%
Don't Know/Refused	2573	3.3%
<i>Total</i>	79011	100.0%

**Table F.3.2: Vehicle Make**

Vehicle Make	Frequency	Percent
Acura	1162	1.5%
Audi	493	0.6%

Vehicle Make	Frequency	Percent
Bmw	1811	2.3%
Buick	967	1.2%
Cadillac	643	0.8%
Chevrolet	7253	9.2%
Chrysler	1599	2.0%
Daewoo	27	0.0%
Dodge	3333	4.2%
Ford	10227	12.9%
Geo	136	0.2%
Gmc	1947	2.5%
Harley davidson	363	0.5%
Honda	9408	11.9%
Hummer	34	0.0%
Hyundai	1401	1.8%
Infiniti	579	0.7%
Isuzu	147	0.2%
Jaguar	222	0.3%
Jeep	1449	1.8%
Kawasaki	114	0.1%
Kia	881	1.1%
Lexus	1939	2.5%
Lincoln	425	0.5%
Mazda	1480	1.9%
Mercedes	1511	1.9%
Mercury	565	0.7%
Mitsubishi	607	0.8%
Nissan	3810	4.8%
Oldsmobile	317	0.4%
Plymouth	164	0.2%
Pontiac	646	0.8%
Porsche	204	0.3%
Land rover	103	0.1%
Saab	146	0.2%
Saturn	1052	1.3%
Scion	306	0.4%

Vehicle Make	Frequency	Percent
Subaru	1625	2.1%
Suzuki	298	0.4%
Toyota	14857	18.8%
Volkswagen	1842	2.3%
Volvo	1088	1.4%
Yamaha	181	0.2%
Mini	298	0.4%
Ram	17	0.0%
Smart	35	0.0%
Buell	9	0.0%
Ducati	22	0.0%
Triumph	29	0.0%
62	2	0.0%
Other, specify	620	0.8%
Don't know	538	0.7%
Refused	79	0.1%
<i>Total</i>	79011	100.0%

**Table F.3.3: Vehicle Body Type**

Vehicle Body Type	Frequency	Percent
Sedan (4-door)	32056	40.6%
Suv	13964	17.7%
Pick-up truck	13174	16.7%
Coupe (2-door)	5860	7.4%
Convertible	1253	1.6%
Hatchback	2586	3.3%
Wagon	2321	2.9%
Minivan	3764	4.8%
Van	1723	2.2%
Other kind of truck	213	0.3%
Recreational vehicle	259	0.3%
Motorcycle	1213	1.5%
Moped/scooter (e.g. vespa)	176	0.2%
Other, specify (watercraft, crossover, etc)	133	0.2%

Vehicle Body Type	Frequency	Percent
Don't Know	242	0.3%
Refused	74	0.1%
<i>Total</i>	79011	100.0%

**Table F.3.4: Vehicle Fuel Type**

Vehicle Fuel Type	Frequency	Percent
Gasoline	76065	94.4%
Diesel	2330	2.9%
Electric/Electric Battery	1627	2.0%
CNG - Natural Gas	99	0.1%
Biofuel, Ethanol, Biodiesel	340	0.4%
Other (specify)	32	0.0%
Don't Know	57	0.1%
Refused	12	0.0%
<i>Total</i>	80562	100.0%

**Table F.3.5: Vehicle with Working Power Outlet**

Vehicle with Working Power Outlet	Frequency	Percent
Yes	4600	95.5%
No	181	3.8%
Don't Know	35	0.7%
<i>Total</i>	4816	100.0%

**Table F.3.6: Vehicle Acquired**

Vehicle Acquired	Frequency	Percent
New	41301	52.3%
Used	37219	47.1%
Don't Know	433	0.5%
Refused	58	0.1%
<i>Total</i>	79011	100.0%

**Table F.3.7: Vehicle Ownership**

Vehicle Ownership	Frequency	Percent
Owned by household member	75925	96.1%

Vehicle Ownership	Frequency	Percent
Leased by household member	1880	2.4%
Owned or leased by employer/company	718	0.9%
Owned or leased by person not living in household	241	0.3%
Other	44	0.1%
Don't Know	129	0.2%
Refused	74	0.1%
<i>Total</i>	79011	100.0%

**Table F.3.8: Vehicle Insurance**

Vehicle Insurance	Frequency	Percent
Yes	6338	11.0%
No	43703	76.0%
Don't Know	2345	4.1%
Refused	5099	8.9%
<i>Total</i>	57485	100.0%

**Table F.3.9: Vehicle Devices to Detect Mileage Driven**

Vehicle Devices to Detect Mileage Driven	Frequency	Percent
Yes	278	2.0%
No	7886	57.2%
Don't Know	534	3.9%
Refused	5090	36.9%
<i>Total</i>	13788	100.0%

**Table F.3.10: Type of Transmission**

Type of Transmission	Frequency	Percent
Automatic	64963	84.2%
Manual	10274	13.3%
Both automatic and manual options (e.g. tiptronic)	1019	1.3%
Don't Know	320	0.4%
Refuse	584	0.8%
<i>Total</i>	77160	100.0%

**Table F.3.11: Type of Power Train**

Type of Power Train	Frequency	Percent
Front wheel drive	32634	42.3%
Rear-wheel drive	16416	21.3%
Four-wheel drive (all-wheel drive)	15405	20.0%
Other	76	0.1%
Not sure	11978	15.5%
Prefer to not answer	651	0.8%
<i>Total</i>	77160	100.0%

**Table F.3.12: Number of Cylinders**

Number of Cylinders	Frequency	Percent
Two	167	0.2%
Four	26615	34.5%
Five	717	0.9%
Six	27359	35.5%
Eight	12553	16.3%
Ten	156	0.2%
Twelve	44	0.1%
Other, specify	362	0.5%
Don't Know	8549	11.1%
Refuse	638	0.8%
<i>Total</i>	77160	100.0%

**Table F.3.13: Distance of Nearest Power Outlet**

Distance of Nearest Power Outlet	Frequency	Percent
No Outlet	3660	7.3%
Less than 5 Feet	6101	12.1%
Between 5 and 10 Feet	7885	15.7%
Between 10 and 20 Feet	12295	24.5%
Between 20 and 50 Feet	12240	24.3%
More than 50 Feet	4829	9.6%
Don't Know/Refused	3274	6.5%
<i>Total</i>	50284	100.0%

**Table F.3.14: Outlet Volts**

Outlet Volts	Frequency	Percent
Standard 110 volt (OUTLET FOR SMALL APPLIANCES, LAMPS, ETC)	36414	84.0%
220 volt (ROUND OUTLET FOR LARGE APPLIANCES SUCH AS WASHING MACHINES, DRYERS, REFRIGERATORS)	5498	12.7%
Don't Know	1430	3.3%
Refuse	8	0.0%
<i>Total</i>	43350	100.0%

**Table F.3.15: Vehicle Type**

Vehicle Type	Frequency	Percent
Hybrid Vehicle (	3235	4.1%
Gasoline Only Vehicle	72618	91.9%
Diesel Only Vehicle	2373	3.0%
Plug In Hybrid Electric Vehicle	110	0.1%
CNG	73	0.1%
Electric Only	277	0.4%
Other	309	0.4%
Don't Know / Refused	16	0.0%
<i>Total</i>	79011	100.0%

**Table F.3.16: Reason Vehicle not Used**

Reason Vehicle not Used	Frequency	Percent
Did not travel on travel day	8617	28.0%
Vehicle not needed	17765	57.6%
Prefer to use transit	138	0.4%
Used bicycle	148	0.5%
Prefer to walk	213	0.7%
Vehicle not working/in shop	240	0.8%
Travelled with others	514	1.7%
Wanted to help the environment	22	0.1%
Parking cost too high	10	0.0%
Fuel costs too high	204	0.7%
Short trip	43	0.1%
Long trip	180	0.6%
Other (specify)	559	1.8%
Don't Know	1921	6.2%



Reason Vehicle not Used	Frequency	Percent
Refused	246	0.8%
<i>Total</i>	30820	100.0%

## 4.0 Trip Table Frequencies

**Table F.4.1: Total Number of People Traveling**

Total Number of People Traveling	Frequency	Percent
1	133359	46.6%
2	83182	29.0%
3	34648	12.1%
4	20602	7.2%
5 or More People	14677	5.1%
<i>Total</i>	286468	100.0%

**Table F.4.2: Number of Household Members Traveling with Respondent**

Number of Household Members Traveling with Respondent	Frequency	Percent
1	76171	58.3%
2	28825	22.1%
3	15846	12.1%
4	6690	5.1%
5 or HH Members	3055	2.3%
<i>Total</i>	130587	100.0%

**Table F.4.3: Which Person is Traveling with Respondent**

Which Person is Traveling with Respondent	Frequency	Percent
1	60794	27.2%
2	55004	24.6%
3	41699	18.7%
4	36877	16.5%
5	18667	8.4%
6	7569	3.4%
7	2174	1.0%

Which Person is Traveling with Respondent	Frequency	Percent
8	613	0.3%
<i>Total</i>	223397	100.0%

**Table F.4.4: Number of Non Household Members Traveling with Respondent**

Number of Non Household Members Traveling with Respondent	Frequency	Percent
1	24414	66.9%
2	7176	19.7%
3	2946	8.1%
4	1126	3.1%
5 or More People	813	2.2%
<i>Total</i>	36475	100.0%

**Table F.4.5: Mode of Trip**

Mode of Trip	Frequency	Percent
Walk	43829	12.5%
Bike	5926	1.7%
Wheelchair / Mobility Scooter	251	0.1%
Other Non-Motorized	441	0.1%
Auto / Van / Truck Driver	196312	55.8%
Auto / Van / Truck Passenger	86336	24.5%
Carpool / Vanpool	2125	0.6%
Motorcycle / Scooter / Moped	1002	0.3%
Taxi / Hired Car / Limo	420	0.1%
Rental Car/Vehicle	693	0.2%
Private shuttle (SuperShuttle, employer, hotel, etc.)	599	0.2%
Greyhound Bus	12	0.0%
Plane	539	0.2%
Other Private Transit	332	0.1%
Local Bus, Rapid Bus	6362	1.8%
Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc)	337	0.1%

Mode of Trip	Frequency	Percent
Premium Bus ( Metro Orange / Silver Line )	105	0.0%
School Bus	2085	0.6%
Public Transit Shuttle (DASH, Emery Go Round, etc.)	175	0.0%
AirBART / LAX FlyAway	16	0.0%
Dial-a-Ride / Paratransit (Access Services, etc.)	221	0.1%
Amtrak Bus	24	0.0%
Other Bus	97	0.0%
BART, Metro Red / Purple Line	1688	0.5%
ACE, Amtrak, Caltrain, Coaster, Metrolink	516	0.1%
Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA	1005	0.3%
Street Car / Cable Car	92	0.0%
Other Rail	109	0.0%
Ferry / Boat	96	0.0%
<i>Total</i>	351745	100.0%

**Table F.4.6: Which Household Vehicle used on Trip**

Which Household Vehicle used on Trip	Frequency	Percent
1	161628	56.4%
2	80785	28.2%
3	15640	5.5%
4	2894	1.0%
5	535	0.2%
6	109	0.0%
7	17	0.0%
8	10	0.0%
Non-HH Vehicle	24850	8.7%
<i>Total</i>	286468	100.0%

**Table F.4.7: Got out of Vehicle**

Got out of Vehicle	Frequency	Percent
Yes	164007	88.0%

Got out of Vehicle	Frequency	Percent
No	21637	11.6%
Don't Know	543	0.3%
Refused	247	0.1%
<i>Total</i>	186434	100.0%

**Table F.4.8: Parking Location Type**

Parking Location Type	Frequency	Percent
At this location	94124	82.9%
Off site Parking lot	1975	1.7%
Off site Parking garage	1184	1.0%
Street	10504	9.2%
Driveway/Personal garage	4398	3.9%
Other, specify	203	0.2%
Don't Know	218	0.2%
Refused	951	0.8%
<i>Total</i>	113557	100.0%

**Table F.4.9: Time (mins) walking from parking to Destination**

Time (mins) walking from parking to Destination	Frequency	Percent
5 Min	650	4.8%
6 Min	29	0.2%
7 Min	36	0.3%
8 Min	23	0.2%
9 Min	7	0.1%
10 Min	148	1.1%
More than 10 Min	84	0.6%
Don't Know/Refused	7741	56.7%
<i>Total</i>	13663	100.0%

**Table F.4.10: Pay to Park**

Pay to Park	Frequency	Percent
Yes	1231	9.0%
No	12000	87.8%
Don't Know	357	2.6%

Pay to Park	Frequency	Percent
Prefer to not answer	74	0.5%
<i>Total</i>	13662	100.0%

**Table F.4.11: Parking Amount-Unit**

Parking Amount-Unit	Frequency	Percent
Hour	530	43.1%
Per Day	300	24.4%
Per week	6	0.5%
Per month	163	13.2%
Quarter	9	0.7%
Semester	43	3.5%
Per year	35	2.8%
Don't Know	140	11.4%
Refused	5	0.4%
<i>Total</i>	1231	100.0%

**Table F.4.12: How Parking was Paid**

How Parking was Paid	Frequency	Percent
Cash/credit/debit card	897	72.9%
Pre-paid parking pass	203	16.5%
Employer provided parking pass	69	5.6%
Other	30	2.4%
Not sure	27	2.2%
Prefer to not answer	5	0.4%
<i>Total</i>	1231	100.0%

**Table F.4.13: Transit System**

Transit System	Frequency	Percent
A&MTRS (Arcata & Mad River Transit System)	7	0.1%
AC Transit (Alameda-Contra Costa Transit District)	254	2.4%
AC Transit Transbay Express Bus	103	1.0%
ACCESS Services Inc.	47	0.4%
ACE (Altamont Commuter Express)	23	0.2%
AirBART	15	0.1%
Amtrak	68	0.6%

Transit System	Frequency	Percent
ARTS (Amador Regional Transit System)	11	0.1%
AVTA (Antelope Valley Transit Authority)	26	0.2%
Baldwin Park Transit	6	0.1%
BAR (Barstow Area Transit)	2	0.0%
BART (Bay Area Rapid Transit)	1579	14.7%
Beeline (Glendale)	12	0.1%
Big Blue Bus or Santa Monica Bus	87	0.8%
B-Line (Butte Regional Transit)	30	0.3%
BlueGO	12	0.1%
BREEZE (North County Transit District)	20	0.2%
BurbankBUS	8	0.1%
Cable Car	30	0.3%
Caltrain	278	2.6%
CAT (Camarillo Area Transit)	10	0.1%
Claremont Transit	6	0.1%
COASTER and SPRINTER (North County Transit District)	14	0.1%
Colusa County Transit	4	0.0%
Commerce Transit	1	0.0%
Commuter Express	13	0.1%
County Connection (CCTA-Contra Costa County Transit Authority)	30	0.3%
Culver CityBus	13	0.1%
CVT (Chula Vista Transit)	5	0.0%
DART (Delano Area Rapid Transit)	9	0.1%
DASH	114	1.1%
Eastern Sierra Transit Authority	4	0.0%
El Dorado County Transit	10	0.1%
Eureka Transit Service	5	0.0%
FAST (Fairfield-Suisun Transit System)	6	0.1%
FAX (Fresno Area Express)	77	0.7%
Ferry	6	0.1%
Foothill Transit	58	0.5%
Gardena Municipal Bus Lines	15	0.1%
Glenn Ride	2	0.0%
GO WEST Shuttle (West Covina Transit)	2	0.0%
Gold Coast Transit	15	0.1%

Transit System	Frequency	Percent
Golden Empire Transit District	447	4.2%
Golden Gate Transit	92	0.9%
IV Transit (Imperial Valley Transit)	12	0.1%
KART (Kings Area Rural Transit)	8	0.1%
Kern Regional Transit	63	0.6%
La Mirada Transit	3	0.0%
Laguna Beach Transit	5	0.0%
Lake Transit	14	0.1%
Lassen Rural Bus	8	0.1%
Long Beach Transit	128	1.2%
Marin Transit	1	0.0%
MARTA (Mountain Area Regional Transit Authority)	5	0.0%
Metro (Santa Cruz Metro)	57	0.5%
Metro Blue, Green or Gold Lines	436	4.1%
Metro Orange or Silver Lines	320	3.0%
Metro Red/Purple Lines	328	3.1%
Metro, Metro Rapid, Express Bus	920	8.6%
Metrolink	218	2.0%
Modesto Max	56	0.5%
Montebello Bus Lines	30	0.3%
Monterey-Salinas Transit	88	0.8%
MTA (Mendocino Transit Authority)	25	0.2%
MTD (Santa Barbara Municipal Transit District)	27	0.3%
MTS (San Diego Metropolitan Transit System)	236	2.2%
Muni Metro	944	8.8%
North County Shuttle	1	0.0%
Norwalk Transit System	13	0.1%
OCTA (Orange County Transportation Authority)	238	2.2%
Omnitrans	151	1.4%
Paso Express	5	0.0%
Petaluma Transit	1	0.0%
Placer County Transit	1	0.0%
Plumas Transit System	2	0.0%
PVPTA (Palos Verdes Peninsula Transit Authority)	1	0.0%
RABA (Redding Area Bus Authority)	6	0.1%

Transit System	Frequency	Percent
Redwood Coast Transit (Del Norte County Public Transportation)	2	0.0%
Redwood Transit System (RTS)	24	0.2%
Roseville Commuter Bus	5	0.0%
RTA (Riverside Transit Agency)	68	0.6%
RTA (San Luis Obispo Regional Transit Authority)	26	0.2%
RTD (San Joaquin Regional Transit District)	26	0.2%
SamTrans (San Mateo County Transit District)	74	0.7%
San Benito County Express	1	0.0%
San Diego Trolley (San diego Metropolitan Transit System)	79	0.7%
Santa Clarita Transit	14	0.1%
Santa Rosa CityBus	19	0.2%
Sonoma County Transit	11	0.1%
SRT Bus (Sacramento Regional Transit)	36	0.3%
SRT Light Rail (Sacramento Regional Transit)	60	0.6%
STA (Solano Transportation Authority)	2	0.0%
STAGE (Siskiyou Transit and General Express)	1	0.0%
Stageline (City of Clovis)	4	0.0%
START (Stanislaus Regional Transit)	12	0.1%
Street Car (e.g. Mini F-Market)	28	0.3%
SunLine	35	0.3%
SVT (Simi Valley Transit)	4	0.0%
TAT (Taft Area Transit)	4	0.0%
The BUS (Merced County Transit)	11	0.1%
Torrance Transit	26	0.2%
TRAX (Tehama Rural Area Express)	13	0.1%
Tri-Delta Transit (Eastern Contra Costa Transit Authority)	19	0.2%
Tulare County Transit	13	0.1%
Tuolumne County Transit	7	0.1%
UCT (Union City Transit)	4	0.0%
Unitrans	4	0.0%
Vallejo Transit	3	0.0%
VINE (Napa County Transportation and Planning Agency)	3	0.0%
VTA (Santa Clara Valley Transit Authority)	326	3.0%
VVTA (Victor Valley Transit Authority)	12	0.1%



Transit System	Frequency	Percent
WestCAT (Western Contra Costa Transit Authority)	8	0.1%
Wheels/LAVTA (Livermore Amador Valley Transit Authority)	10	0.1%
YoloBus	21	0.2%
YSTA (Yuba-Sutter Transit Authority)	19	0.2%
Other, Specify	635	5.9%
Don't Know	1130	10.5%
Refused	21	0.2%
<i>Total</i>	10747	100.0%

**Table F.4.14: Number of Activities**

Number of Activities	Frequency	Percent
1	364036	79.0%
2	48774	10.6%
3	47712	10.4%
<i>Total</i>	460522	100.0%

**Table F.4.15: Arrival Hour**

Arrival Hour	Frequency	Percent
Early Morning (3am-7am)	142084	31.0%
Mid Morning (8am-11am)	88078	19.1%
Afternoon (12pm-5pm)	159120	34.6%
Evening (6pm-8pm)	53476	11.6%
Late Night (9pm-2am)	17765	3.9%
<i>Total</i>	460523	100.0%

**Table F.4.16: Departure Hour**

Arrival Hour	Frequency	Percent
Early Morning (3am-7am)	41596	9.0%
Mid Morning (8am-11am)	86673	18.8%
Afternoon (12pm-5pm)	160686	34.9%
Evening (6pm-8pm)	48109	10.4%
Late Night (9pm-2am)	123459	26.8%
<i>Total</i>	460523	100.0%

**Table F.4.17: Trip Duration**

Trip Duration	Frequency	Percent
Less than 5 Min	31917	9.1%
Between 5 and 10 Min	76376	21.7%
Between 10 and 30 Min	171581	48.8%
Between 30 and 60 Min	57007	16.2%
More than 60 Min	14864	4.2%
<i>Total</i>	351745	100.0%

**Table F.4.18: Activity Duration**

Activity Duration	Frequency	Percent
Less than 5 Min	33339	7.2%
Between 5 and 10 Min	24166	5.2%
Between 10 and 30 Min	49014	10.6%
Between 30 and 60 Min	45020	9.8%
More than 60 Min	308984	67.1%
<i>Total</i>	460523	100.0%

**Table F.4.19: Travelled State**

State	Frequency	Percent
AL	3	0.0%
AK	24	0.0%
AZ	412	0.1%
AR	24	0.0%
CA	455641	98.9%
CO	113	0.0%
CT	7	0.0%
DE	4	0.0%
DC	46	0.0%
FL	136	0.0%
GA	48	0.0%
HI	169	0.0%
ID	76	0.0%
IL	73	0.0%
IN	22	0.0%
IA	9	0.0%
KS	6	0.0%

State	Frequency	Percent
KY	14	0.0%
LA	22	0.0%
ME	19	0.0%
MD	28	0.0%
MA	68	0.0%
MI	37	0.0%
MN	20	0.0%
MS	7	0.0%
MO	27	0.0%
MT	43	0.0%
NE	19	0.0%
NV	957	0.2%
NH	3	0.0%
NJ	20	0.0%
NM	33	0.0%
NY	146	0.0%
NC	40	0.0%
ND	3	0.0%
OH	43	0.0%
OK	28	0.0%
OR	454	0.1%
PA	50	0.0%
RI	2	0.0%
SC	9	0.0%
SD	17	0.0%
TN	29	0.0%
TX	133	0.0%
UT	111	0.0%
VT	14	0.0%
VA	44	0.0%
WA	160	0.0%
WV	2	0.0%
WI	27	0.0%
WY	17	0.0%
Don't Know/Refused	1064	0.2%

State	Frequency	Percent
Total	460523	100.0%

## 4.1 Activity Data Elements

**Table F.4.1.1: Anyone else Participate with Respondent**

Anyone else Participate with Respondent	Frequency	Percent
Yes, with others	52092	23.3%
No, I was alone	102038	45.7%
Not sure	58920	26.4%
Prefer to not answer	10066	4.5%
Total	223116	100.0%

**Table F.4.1.2: Number of Household Members Participating**

Number of Household Members Participating	Frequency	Percent
0	6999	13.4%
1	22418	43.0%
2	9521	18.3%
3	7668	14.7%
4 or More	5486	10.5%
Total	52092	100.0%

**Table F.4.1.3: Number of People from your Organization**

Number of People from your Organization	Frequency	Percent
0	47206	90.6%
1	2447	4.7%
2	1203	2.3%
3	612	1.2%
4 or More	612	1.2%
Total	52080	100.0%

**Table F.4.1.4: Number of People from your Work**

Number of People from your Work	Frequency	Percent
0	49884	95.8%
1	532	1.0%
2	250	0.5%
3	236	0.5%
4 or More	1178	2.3%
<i>Total</i>	52080	100.0%

**Table F.4.1.5: Number of People from your School**

Number of People from your School	Frequency	Percent
0	50806	97.6%
1	260	0.5%
2	119	0.2%
3	76	0.1%
4 or More	819	1.6%
<i>Total</i>	52080	100.0%

**Table F.4.1.6: Number of People from same Social Organization**

Number of People from same Social Organization	Frequency	Percent
0	50320	96.6%
1	492	0.9%
2	204	0.4%
3	215	0.4%
4 or More	849	1.6%
<i>Total</i>	52080	100.0%

**Table F.4.1.7: Number of Friends Participating**

Number of Friends Participating	Frequency	Percent
0	46890	90.0%
1	2413	4.6%
2	903	1.7%
3	505	1.0%
4 or More	1369	2.6%
<i>Total</i>	52080	100.0%

**Table F.4.1.8: Number of Other Related People**

Number of Other Related People	Frequency	Percent
0	49998	96.0%
1	1266	2.4%
2	345	0.7%
3	159	0.3%
4 or More	312	0.6%
<i>Total</i>	52080	100.0%

**Table F.4.1.9: Trip Purpose**

Trip Purpose	Frequency	Percent
Personal activities (sleeping, personal care, leisure, chores)	203178	33.6%
Preparing meals/eating	63538	10.5%
Hosting visitors/entertaining guests	3461	0.6%
Exercise (with or without equipment)/playing sports	4211	0.7%
Study / schoolwork	6099	1.0%
Work for pay at home using telecommunications equipment	4157	0.7%
Using computer/telephone/cell or smart phone or other communications device for personal activities	19989	3.3%
All other activities at my home	27406	4.5%
Work/job duties	30530	5.0%
Training	268	0.0%
Meals at work	5099	0.8%
Work-sponsored social activities (holiday or birthday celebrations, etc)	106	0.0%
Non-work related activities (social clubs, etc)	343	0.1%
Exercise/sports	330	0.1%
Volunteer work/activities	575	0.1%
All other work-related activities at my work	1077	0.2%
In school/classroom/laboratory	11270	1.9%
Meals at school/college	2339	0.4%
After school or non-class-related sports/physical activity	790	0.1%
All other after school or non-class related activities (library, band rehearsal, clubs, etc)	1236	0.2%
Change type of transportation/transfer (walk to bus, walk to/from parked car)	24073	4.0%

Trip Purpose	Frequency	Percent
Pickup/drop off passenger(s)	25265	4.2%
Drive through meals (snacks, coffee, etc.)	4723	0.8%
Drive through other (atm, bank)	1275	0.2%
Work-related (meeting, sales call, delivery)	9940	1.6%
Service private vehicle (gas, oil, lube, repairs)	5067	0.8%
Routine shopping (groceries, clothing, convenience store, hh maintenance)	34344	5.7%
Shopping for major purchases or specialty items (appliance, electronics, new vehicle, major hh repairs)	2846	0.5%
Household errands (bank, dry cleaning, etc.)	9204	1.5%
Personal business (visit government office, attorney, accountant)	7086	1.2%
Eat meal at restaurant/diner	18326	3.0%
Health care (doctor, dentist, eye care, chiropractor, veterinarian)	6016	1.0%
Civic/religious activities	7376	1.2%
Outdoor exercise (playing sports/jogging, bicycling, walking, walking the dog, etc.)	10339	1.7%
Indoor exercise (gym, yoga, etc.)	4911	0.8%
Entertainment (movies, watch sports, etc)	7331	1.2%
Social/visit friends/relatives	21980	3.6%
Other (specify) [note: listed on diary] (o_apurp)	4635	0.8%
Loop trip (for interviewer only-not listed on diary)	13778	2.3%
Don't know/refused	194	0.0%
<i>Total</i>	604711	100.0%

## 5.0 Long Distance Travel Data Elements

**Table F.4.2.1: LD Origin**

LD Origin	Frequency	Percent
Home	35570	52.2%
Primary job	1586	2.3%
School	164	0.2%
Second Job	81	0.1%
Other, specify address	30673	45.0%

LD Origin	Frequency	Percent
Don't Know	58	0.1%
Refused	61	0.1%
<i>Total</i>	68193	100.0%

**Table F.4.2.3: Long Distance Origin State**

LD Origin State	Frequency	Percent
AL	22	0.0%
AK	57	0.1%
AZ	581	0.9%
AR	25	0.0%
CA	60637	88.9%
CO	207	0.3%
CT	31	0.0%
DE	5	0.0%
DC	82	0.1%
FL	217	0.3%
GA	68	0.1%
HI	192	0.3%
ID	78	0.1%
IL	164	0.2%
IN	26	0.0%
IA	24	0.0%
KS	27	0.0%
KY	15	0.0%
LA	43	0.1%
ME	18	0.0%
MD	52	0.1%
MA	122	0.2%
MI	69	0.1%
MN	66	0.1%
MS	7	0.0%
MO	68	0.1%
MT	70	0.1%
NE	23	0.0%



LD Origin State	Frequency	Percent
NV	1442	2.1%
NH	12	0.0%
NJ	62	0.1%
NM	79	0.1%
NY	251	0.4%
NC	74	0.1%
ND	2	0.0%
OH	69	0.1%
OK	36	0.1%
OR	691	1.0%
PA	101	0.1%
RI	16	0.0%
SC	20	0.0%
SD	22	0.0%
TN	55	0.1%
TX	239	0.4%
UT	236	0.3%
VT	16	0.0%
VA	117	0.2%
WA	323	0.5%
WV	7	0.0%
WI	52	0.1%
WY	26	0.0%
Don't Know/Refused	1249	1.8%
<i>Total</i>	68193	100.0%

**Table F.4.2.4: Long Distance Origin Country**

LD Origin Country	Frequency	Percent
Argentina	6	0.0%
Australia	14	0.0%
Austria	6	0.0%
Bahamas	1	0.0%
Belgium	2	0.0%
Belize	1	0.0%
Bethlehem	1	0.0%
Bhutan	1	0.0%

LD Origin Country	Frequency	Percent
Bolivia	1	0.0%
Brazil	7	0.0%
British virgin islands	1	0.0%
Bulgaria	1	0.0%
Cambodia	2	0.0%
Canada	133	0.2%
Caribbean netherlands	2	0.0%
Chile	1	0.0%
China	20	0.0%
Colombia	3	0.0%
Costa rica	12	0.0%
Croatia	1	0.0%
Cuba	2	0.0%
Czech republic	2	0.0%
Denmark	3	0.0%
Dk/rf	358	0.5%
Dominican republic	1	0.0%
Ecuador	2	0.0%
Egypt	3	0.0%
El salvador	1	0.0%
Estados unidos	1	0.0%
Ethiopia	2	0.0%
Finland	4	0.0%
France	31	0.0%
French polynesia	1	0.0%
Germany	40	0.1%
Greece	8	0.0%
Grenada	1	0.0%
Guatemala	1	0.0%
Guyana	1	0.0%
Haiti	2	0.0%
Honduras	1	0.0%
Hong kong	8	0.0%
Hungary	2	0.0%
India	16	0.0%

LD Origin Country	Frequency	Percent
Iran	1	0.0%
Ireland	16	0.0%
Israel	10	0.0%
Italy	54	0.1%
Japan	32	0.0%
Jordan	7	0.0%
Kenya	3	0.0%
Lebanon	2	0.0%
Liberia	1	0.0%
Luxembourg	1	0.0%
Macau	1	0.0%
Malawi	1	0.0%
Malaysia	1	0.0%
Malta	1	0.0%
Mexico	148	0.2%
Myanmar	1	0.0%
Myanmar (burma)	1	0.0%
Nepal	1	0.0%
New zealand	8	0.0%
Nicaragua	3	0.0%
Nigeria	1	0.0%
Norway	3	0.0%
Panama	3	0.0%
Paraguay	1	0.0%
Peru	9	0.0%
Philippines	4	0.0%
Poland	3	0.0%
Portugal	3	0.0%
Puerto rico	5	0.0%
Qatar	2	0.0%
Romania	5	0.0%
Russian federation	3	0.0%
Saint barthélemy	1	0.0%
Saudi arabia	1	0.0%
Serbia	1	0.0%

LD Origin Country	Frequency	Percent
Singapore	4	0.0%
Sint maarten	1	0.0%
South africa	2	0.0%
South korea	9	0.0%
Spain	16	0.0%
Sri lanka	1	0.0%
St kitts and nevis	1	0.0%
St vincent and the grenadines	1	0.0%
Svalbard and jan mayen	2	0.0%
Sweden	12	0.0%
Switzerland	18	0.0%
Taiwan	8	0.0%
Tanzania	2	0.0%
Thailand	12	0.0%
The bahamas	1	0.0%
The netherlands	11	0.0%
Turkey	3	0.0%
Turks and caicos islands	1	0.0%
United arab emirates	4	0.0%
United kingdom	73	0.1%
United states	66962	98.2%
United states virgin islands	1	0.0%
Us virgin islands	1	0.0%
Verenigde state van amerika	1	0.0%
Vietnam	1	0.0%
<i>Total</i>	68193	100.0%

**Table F.4.2.5: Long Distance Destination State**

LD Destination State	Frequency	Percent
AL	24	0.0%
AK	59	0.1%
AZ	716	1.0%
AR	30	0.0%
CA	58929	86.4%
CO	279	0.4%

LD Destination State	Frequency	Percent
CT	33	0.0%
DE	8	0.0%
DC	102	0.1%
FL	250	0.4%
GA	84	0.1%
HI	235	0.3%
ID	87	0.1%
IL	195	0.3%
IN	40	0.1%
IA	37	0.1%
KS	34	0.0%
KY	15	0.0%
LA	53	0.1%
ME	21	0.0%
MD	59	0.1%
MA	146	0.2%
MI	84	0.1%
MN	80	0.1%
MS	7	0.0%
MO	87	0.1%
MT	79	0.1%
NE	24	0.0%
NV	1974	2.9%
NH	13	0.0%
NJ	75	0.1%
NM	102	0.1%
NY	297	0.4%
NC	85	0.1%
ND	6	0.0%
OH	87	0.1%
OK	43	0.1%
OR	859	1.3%
PA	118	0.2%
RI	17	0.0%
SC	24	0.0%

LD Destination State	Frequency	Percent
SD	23	0.0%
TN	60	0.1%
TX	294	0.4%
UT	289	0.4%
VT	17	0.0%
VA	131	0.2%
WA	403	0.6%
WV	6	0.0%
WI	55	0.1%
WY	31	0.0%
Don't Know	1387	2.0%
<i>Total</i>	68193	100.0%

**Table F.4.2.6: LD Destination Country**

LD Destination Country	Frequency	Percent
Albania	1	0.0%
Argentina	2	0.0%
Australia	19	0.0%
Austria	9	0.0%
Bahamas	1	0.0%
Bahrain	1	0.0%
Belgium	6	0.0%
Belize	2	0.0%
Bethlehem	1	0.0%
Bhutan	1	0.0%
Bolivia	1	0.0%
Brazil	9	0.0%
British virgin islands	1	0.0%
Cambodia	3	0.0%
Canada	163	0.2%
Caribbean netherlands	1	0.0%
Chile	1	0.0%
China	32	0.0%
Colombia	3	0.0%
Costa rica	16	0.0%

LD Destination Country	Frequency	Percent
Croatia	2	0.0%
Cuba	2	0.0%
Czech republic	5	0.0%
Denmark	5	0.0%
Dk/rf	184	0.3%
Dominican republic	1	0.0%
Ecuador	5	0.0%
Egypt	2	0.0%
El salvador	5	0.0%
Estados unidos	3	0.0%
Ethiopia	1	0.0%
Fiji	1	0.0%
Finland	3	0.0%
France	42	0.1%
French polynesia	1	0.0%
Germany	39	0.1%
Greece	7	0.0%
Guatemala	1	0.0%
Guyana	1	0.0%
Haiti	2	0.0%
Honduras	3	0.0%
Hong kong	18	0.0%
Hungary	1	0.0%
India	23	0.0%
Iran	2	0.0%
Ireland	16	0.0%
Israel	8	0.0%
Italy	56	0.1%
Jamaica	1	0.0%
Japan	38	0.1%
John	1	0.0%
Jordan	5	0.0%
Kenya	2	0.0%
Lebanon	2	0.0%
Liberia	2	0.0%

LD Destination Country	Frequency	Percent
Lithuania	1	0.0%
Luxembourg	1	0.0%
Macau	1	0.0%
Malta	2	0.0%
Mexico	312	0.5%
Myanmar (burma)	3	0.0%
Nepal	1	0.0%
New zealand	10	0.0%
Nicaragua	4	0.0%
Norway	3	0.0%
Panama	6	0.0%
Paraguay	1	0.0%
Peru	9	0.0%
Philippines	5	0.0%
Poland	3	0.0%
Portugal	2	0.0%
Puerto rico	8	0.0%
Qatar	4	0.0%
Romania	1	0.0%
Russian federation	4	0.0%
Saint barthélemy	1	0.0%
Saudi arabia	2	0.0%
Singapore	9	0.0%
Sint maarten	1	0.0%
South africa	5	0.0%
South korea	7	0.0%
Spain	15	0.0%
St kitts and nevis	1	0.0%
St vincent and the g	1	0.0%
Svalbard and jan mayen	2	0.0%
Sweden	11	0.0%
Switzerland	18	0.0%
Taiwan	7	0.0%
Tanzania	2	0.0%
Thailand	12	0.0%



LD Destination Country	Frequency	Percent
The bahamas	2	0.0%
The netherlands	15	0.0%
Turkey	5	0.0%
Turks and caicos islands	1	0.0%
United arab emirates	5	0.0%
United kingdom	92	0.1%
United states	66826	98.0%
United states virgin islands	1	0.0%
Us virgin islands	2	0.0%
Verenigde state van amerika	3	0.0%
Vietnam	1	0.0%
Virgin islands	2	0.0%
<i>Total</i>	68193	100.0%

**Table F.4.2.7: LD Trip Purpose**

LD Trip Purpose	Frequency	Percent
Going to work	2819	4.1%
Business (work-related meeting/convention/seminar)	6203	9.1%
Combined business and pleasure	1126	1.7%
School -related activity	944	1.4%
Visit friends/family/relatives	13077	19.2%
Medical	1872	2.7%
Vacation/sightseeing	7680	11.3%
Outdoor recreation (sports, fishing, hunting, camping, boating, etc)	2767	4.1%
Entertainment (theater, concert, sports event, gambling, etc)	2923	4.3%
Personal Business (e.g. shopping)	2786	4.1%
Drive someone else	1217	1.8%
Return home	23538	34.5%
Other (specify)	758	1.1%
Don't Know	222	0.3%
Refused	261	0.4%
<i>Total</i>	68193	100.0%

**Table F.4.2.8: Number of People on LD Trip**

Number of People on LD Trip	Frequency	Percent
1	25048	57.8%
2	7474	17.2%
3	5844	13.5%
4	2358	5.4%
5 or More	2633	6.1%
<i>Total</i>	43357	100.0%

**Table F.4.2.9: Number of HH Members on LD Trip**

Number of HH Members on LD Trip	Frequency	Percent
1	22180	63.2%
2	4574	13.0%
3	3373	9.6%
4	1037	3.0%
5 or More	3935	11.2%
<i>Total</i>	35099	100.0%

**Table F.4.2.10: HH Member who made LD Trip**

HH Member who made LD Trip	Frequency	Percent
1	53029	79.3%
2	11191	16.7%
3	1868	2.8%
4	600	0.9%
5	156	0.2%
6	31	0.0%
7	4	0.0%
8	4	0.0%
<i>Total</i>	66883	100.0%

**Table F.4.2.11: Latest LD Trip Flag**

Latest LD Trip Flag	Frequency	Percent
No	48316	73.0%
Yes	17847	27.0%
<i>Total</i>	66163	100.0%

**Table F.4.2.12: Long Distance Mode**

Long Distance Mode	Frequency	Percent
Walk	42	0.1%
Bike	72	0.1%
Wheelchair / Mobility Scooter	5	0.0%
Other Non-Motorized (please specify)	7	0.0%
Auto / Van / Truck Driver	47287	70.0%
Auto / Van / Truck Passenger	7435	11.0%
Carpool / Vanpool	502	0.7%
Motorcycle / Scooter / Moped	291	0.4%
Taxi / Hired Car / Limo	166	0.2%
Rental Car/Vehicle	970	1.4%
Private shuttle (SuperShuttle, employer, hotel, etc.)	175	0.3%
Greyhound Bus	162	0.2%
Plane	8504	12.6%
Other Private Transit (please specify)	236	0.3%
Local Bus, Rapid Bus	94	0.1%
Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc)	114	0.2%
Premium Bus ( Metro Orange / Silver Line )	25	0.0%
School Bus	109	0.2%
Public Transit Shuttle (DASH, Emery Go Round, etc.)	13	0.0%
AirBART / LAX FlyAway	32	0.0%
Dial-a-Ride / Paratransit (Access Services, etc.)	15	0.0%
Amtrak Bus	82	0.1%
Other Bus (write code and specify)	108	0.2%
BART, Metro Red / Purple Line	105	0.2%
ACE, Amtrak, Caltrain, Coaster, Metrolink	716	1.1%
Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA	31	0.0%
Other Rail (please specify)	50	0.1%
Ferry / Boat	118	0.2%
Don't Know/Refused	125	0.2%
<i>Total</i>	67591	100.0%

**Table F.4.2.13: Mode to Airport / Station**

Mode to Airport / Station	Frequency	Percent
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Mode to Airport / Station	Frequency	Percent
Walk	63	3.4%
Bike	2	0.1%
Other Non-Motorized (please specify)	1	0.1%
Auto / Van / Truck Driver	537	28.7%
Auto / Van / Truck Passenger	458	24.5%
Carpool / Vanpool	4	0.2%
Motorcycle / Scooter / Moped	1	0.1%
Taxi / Hired Car / Limo	115	6.2%
Rental Car/Vehicle	39	2.1%
Private shuttle (SuperShuttle, employer, hotel, etc.)	44	2.4%
Greyhound Bus	5	0.3%
Plane	27	1.4%
Other Private Transit (please specify)	9	0.5%
Local Bus, Rapid Bus	31	1.7%
Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc)	6	0.3%
Premium Bus ( Metro Orange / Silver Line )	3	0.2%
Public Transit Shuttle (DASH, Emery Go Round, etc.)	7	0.4%
AirBART / LAX FlyAway	8	0.4%
Amtrak Bus	3	0.2%
Other Bus (write code and specify)	6	0.3%
BART, Metro Red / Purple Line	15	0.8%
ACE, Amtrak, Caltrain, Coaster, Metrolink	6	0.3%
Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA	3	0.2%
Other Rail (please specify)	5	0.3%
Ferry / Boat	2	0.1%
Don't Know/Refused	469	25.1%
<i>Total</i>	1869	100.0%

**Table F.4.2.14: Mode from Airport / Station**

Mode from Airport / Station	Frequency	Percent
Walk	70	3.7%
Bike	2	0.1%
Wheelchair / Mobility Scooter	1	0.1%
Other Non-Motorized (please specify)	1	0.1%
Auto / Van / Truck Driver	319	17.1%
Auto / Van / Truck Passenger	441	23.6%
Carpool / Vanpool	9	0.5%
Taxi / Hired Car / Limo	174	9.3%
Rental Car/Vehicle	127	6.8%
Private shuttle (SuperShuttle, employer, hotel, etc.)	45	2.4%
Greyhound Bus	1	0.1%
Plane	72	3.9%
Other Private Transit (please specify)	8	0.4%
Local Bus, Rapid Bus	27	1.4%
Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc)	2	0.1%
Premium Bus ( Metro Orange / Silver Line )	1	0.1%
Public Transit Shuttle (DASH, Emery Go Round, etc.)	4	0.2%
AirBART / LAX FlyAway	8	0.4%
Amtrak Bus	3	0.2%
Other Bus (write code and specify)	21	1.1%
BART, Metro Red / Purple Line	16	0.9%
ACE, Amtrak, Caltrain, Coaster, Metrolink	20	1.1%
Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA	7	0.4%
Other Rail (please specify)	13	0.7%
Ferry / Boat	4	0.2%
Don't Know/Refused	474	25.3%
<i>Total</i>	1870	100.0%

**Table F.4.2.15: Return Home Trip Flag**

Return Home Trip Flag	Frequency	Percent
Return Home Trip	23730	100.0%

Return Home Trip Flag	Frequency	Percent
Total	23730	100.0%

# Appendix G: Travel Diary Packet Materials – Non-GPS

Figure G.1: Travel Diary Cover -1

### LIST 1 - METHOD OF TRAVEL

NON-MOTORIZED TRAVEL:	PUBLIC TRANSIT:
1 Walk	<b>Bus:</b>
2 Bike	15 Local Bus, Rapid Bus
3 Wheelchair / Mobility Scooter	16 Express Bus / Commuter Bus (AC Transit, Golden Gate Transit, etc.)
4 Other Non-Motorized (skateboard, etc.)	17 Premium Bus (Metro Orange / Silver Line)
	18 School Bus
	19 Public Transit Shuttle (GASL, Emery Go-Round, etc.)
	20 AIRBART / LAX Flyaway
	21 Dial-A-Ride / ParaTransit (Access Services, etc.)
	22 Amtrak Bus
	23 Other Bus
	<b>Rail / Subway:</b>
	24 BART, Metro Red / Purple Line
	25 ACE, Amtrak, Caltrain, Coaststar, Metrolink
	26 Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange / Blue / Green, VTA Light Rail
	27 Street Car / Cable Car
	28 Other Rail
	<b>Ferry:</b>
	29 Ferry / Boat

**PRIVATE VEHICLE:**

- Auto / Van / Truck Driver
- Auto / Van / Truck Passenger
- Carpool / Vanpool
- Motorcycle / Scooter / Moped

**PRIVATE TRANSIT:**

- Taxi / Hire Car / Limo
- Rental Car / Vehicle
- Private Shuttle (SuperShuttle, employer, hotel, etc.)
- Greyhound Bus
- Airplane
- Other Private Transit

**Did you remember to record...**

- ✓ Each place you went, even short walks, quick stops, and places you went in the evening?
- ✓ Complete place names and addresses?
- ✓ Activities you did at each place along with the start and end times?
- ✓ Exact accurate arrival and departure times?

**Privacy Policy**  
We take your privacy very seriously. All information collected will be held strictly confidential and used only in combination with information provided from other participating households.

**LIST 2 is inside flap**

### How Do I Provide My Travel Information?

**Online** Enter your information online at:  
[www.catravelsurvey.com](http://www.catravelsurvey.com)  
Use the PIN# on the front of this diary.

**OR**

**Mail** Return your completed diaries in the postage-paid envelope provided in your packet.  
*Please note that we may need to call you to clarify or to collect any missing information.*

**OR**

**Phone** Keep your completed diaries by the phone and we will call you to collect the information.  
Or, you can call our toll-free survey hotline (1-877-261-4621) to provide your information.

For more information, visit the survey website at:  
[www.catravelsurvey.com](http://www.catravelsurvey.com)


For questions or help filling out your Travel Diary:  
Call the toll-free survey hotline  
**1-877-261-4621**  
or send an email to  
[catravelsurvey@nustats.com](mailto:catravelsurvey@nustats.com)

**Thank you for your participation!**  
Survey conducted by Nustats on behalf of:

California Energy Commission      California Air Resources Board  
and the following local transportation planning agencies:

<ul style="list-style-type: none"> <li>Association of Northern Bay Area Governments (ANBAG)</li> <li>Butte County Association of Governments (BCAG)</li> <li>Hayward Council of Governments (HCAG)</li> <li>High County Association of Governments (HCAGS)</li> <li>San Council of Governments (SCOG)</li> <li>Second County Association of Governments (SCAG)</li> <li>Modesto Council of Governments (MOCOG)</li> <li>Sacramento Area Council of Governments (SACOG)</li> <li>San Diego Association of Governments (SANDAG)</li> </ul>	<ul style="list-style-type: none"> <li>San Joaquin Council of Governments (SJCOCG)</li> <li>San Luis Obispo Council of Governments (SLOCOG)</li> <li>Santa Barbara County Association of Governments (SBCAG)</li> <li>Shasta County Regional Transportation Planning Agency (SCRTA)</li> <li>Metropolitan Transportation Commission (MTC)</li> <li>Southern California Association of Governments (SCAG)</li> <li>Stanislaus County Council of Governments (SNCOCG)</li> <li>Sierra County Association of Governments (SCAG)</li> <li>Sierra Metropolitan Planning Organization (SMPO)</li> </ul>
--	---

**Travel Diary for:**



1a. What is the name and address of your regular workplace (primary job)?  Not employed  
 Works at home (for pay)  Self-employed

Name of Workplace (primary job): \_\_\_\_\_  
Street Address or Nearest Cross Streets: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

1b. Did you go to work today?  Yes  No (Why not? \_\_\_\_\_)

2a. What is the name and address of your school?  Not a student  Home school

Name of School: \_\_\_\_\_  
Street Address or Nearest Cross Streets: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

2b. Did you go to school today?  Yes  No (Why not? \_\_\_\_\_)

3a. Which toll roads or express lanes did you use on your travel day?  Did not use a toll road or express lane

#1: \_\_\_\_\_ #2: \_\_\_\_\_ #3: \_\_\_\_\_

3b. Which toll bridges did you use on your travel day?  Did not use a toll bridge

#1: \_\_\_\_\_ #2: \_\_\_\_\_ #3: \_\_\_\_\_

3c. Did you use any carpool lanes (also referred to as HOV or Diamond Lane) on your travel day?  Yes  No

4. Would you be willing to participate in future research activities?  Yes  No **Continuing Survey**

Figure G.2: Travel Diary Cover -2

### DIARY INSTRUCTIONS

Use this diary to record information about ALL the PLACES you visit on your travel day. Begin at 7 a.m. on your travel day and end at 2:59 a.m. the following day. We ask that a parent or guardian fill out the travel diaries for children under age 16.

**A PLACE IS:** Any location you travel to, no matter how long you are there.

**Examples:** • stopping for gas • a drive-through window • dropping off or picking up someone  
• walking to lunch • driving to a meeting during your workday • biking to the park  
• attending a sporting event, etc.

A place can be a transfer point such as a transit stop or a parking location.

---

Please provide the following information:

- ✓ **PLACES** you visit. Record one place per page. The place name, exact address or nearest cross streets, city, state, and the zip code are critical for analyzing areas with traffic congestion.
 

*Some points to remember...*

**Trips to nearby states:** if you travel to the Lake Tahoe area or to Yuma, Arizona, please record full addresses or cross-streets.

**Trips to Mexico:** if you travel to Mexico, please record the colonia.

**Work-related trips:** if you drive as part of your job duties, only record those trips made if the vehicle you drive is owned by you or serves as your personal vehicle.

**Parking locations:** if you park your car and walk more than 5 minutes to your destination, record the parking location as a separate place.
- ✓ **EXACT TIMES** you arrive and leave each place.
- ✓ How you **TRAVEL** to each place. Write the code from **LIST 1 - Method of Travel** (codes are on the flap of the back cover). We are interested in all types of travel: by auto, walking, biking, transit, etc.
- ✓ **ACTIVITIES** or what you do at each place and the starting and ending times for each activity. Write the code from **LIST 2 - Activities** (codes are on the flap).

Once you have completed your travel diary, follow the instructions for providing your travel information on the back cover of this diary. Thank you!

**Questions? Call the toll-free survey hotline: 1-877-261-4621**

**EXTRA PLACES**  
If you used all of the previous pages, use the chart below to write information about the other places you visited. Don't forget to record your exact times!

PLACE #	PLACE NAME (street exact times)	WHEN THIS PLACE OCCURRED (enter exact times)	HOW DID YOU TRAVEL? (from LIST 1)	WHAT ACTIVITIES? (from LIST 2)	WHEN THIS PLACE OCCURRED (enter exact times)	HOW DID YOU TRAVEL? (from LIST 1)	WHAT ACTIVITIES? (from LIST 2)	WHEN THIS PLACE OCCURRED (enter exact times)	HOW DID YOU TRAVEL? (from LIST 1)	WHAT ACTIVITIES? (from LIST 2)
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										

### LIST 2 - ACTIVITIES

#### AT MY HOME:

- Personal activities (sleeping, personal care, leisure, chores, etc.)
- Preparing meals / eating
- Hosting visitors / entertaining guests
- Exercise (with or without equipment) / playing sports
- Study / schoolwork
- Work for pay at home using telecommunications equipment
- Using computer / telephone / cell or smartphone or other communications device for personal activities
- All other activities at my home

#### AT MY WORK OR VOLUNTEER LOCATION:

- Work / job duties
- Training
- Meals at work
- Work-sponsored social activities (holiday or birthday celebrations, etc.)
- Non-work related activities (social clubs, etc.)
- Exercise / sports
- Volunteer work / activities
- All other work-related activities at my work

#### AT MY SCHOOL (Preschool, K-12, College, etc.):

- In school / classroom / laboratory
- Meals at school / college
- After school or non-class-related sports / physical activity
- All other after school or non-class-related activities (library, band rehearsal, clubs, etc.)

#### QUICK STOPS / TRIPS:

- Change type of transportation / transfer
- Pickup / drop off passengers
- Drive-through meals (snacks, coffee, etc.)
- Drive-through other (ATM, bank, etc.)

#### AT OTHER PLACES:

- Work-related (meeting, sales call, delivery)
- Service private vehicle (gas, oil, tune, repairs)
- Routine shopping (groceries, clothing, convenience store, household maintenance)
- Shopping for major purchases or specialty items (appliances, electronics, new vehicle, major household repairs)
- Household errands (bank, dry cleaning, etc.)
- Personal business (visit government office, attorney, accountant)
- Eat meal at restaurant / diner
- Health care (doctor, dentist, eye care, chiropractor, veterinarian)
- Chic / Religious activities
- Outdoor exercise (sports, jogging, bicycling, walking, working dog, etc.)
- Indoor exercise (gym, yoga, etc.)
- Entertainment (movies, watch sports, etc.)
- Social / Visit friends / relatives
- Other (write code and specify)

**LIST 1 is outside flap**

**QUESTIONS?**  
Visit the survey website:  
[www.castravelsurvey.com](http://www.castravelsurvey.com)  
or  
Call the toll-free survey hotline:  
**1-877-261-4621**



Figure G.3: Travel Diary Inside – 1

**PLACE 11** What time did you ARRIVE at this place? (Record exact time) : am / pm

**B WHAT IS THIS PLACE?**

My Home  
 My Primary Job  
 My School  
 My Second Job  
 Transit Stop (bus or rail)  
 Other Place

Name of Place: \_\_\_\_\_  
 Street Address or Nearest Cross-streets: \_\_\_\_\_  
 City (Colonia): \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

**C HOW did you TRAVEL there?** (Write code from LIST 1) \_\_\_\_\_

How many other people traveled with you? (Don't Include yourself!) \_\_\_\_\_

Of those, how many were household members? \_\_\_\_\_

Which household members?  P1  P3  P5  P7  
 P2  P4  P6  P8

**D If you traveled by PRIVATE VEHICLE:**

Which household vehicle did you use? (Year / Make / Model): \_\_\_\_\_

Did not use a household vehicle

If you parked at this location, where did you park?  
 Did not park  Street  
 Parking lot  Driveway / Personal garage  
 Parking garage  Other: \_\_\_\_\_

How much did you pay to park? \$ \_\_\_\_\_ per \_\_\_\_\_  Did not pay

How did you pay for parking?  
 Cash / credit / debit card  
 Pre-paid parking pass  
 Employer provided parking pass  
 Other: \_\_\_\_\_

What are the nearest cross-streets to this parking location? \_\_\_\_\_

How much did you pay out-of-pocket to park that was not reimbursed by your employer? \$ \_\_\_\_\_

If you traveled by PUBLIC TRANSIT:  
 What transit system did you use? \_\_\_\_\_ What was the route or line number or name? \_\_\_\_\_

**E What ACTIVITIES did you do there?** (Write up to 3 codes from LIST 2 on the flap of the back cover and the start and end times.)

Code: Specify if code "3B": \_\_\_\_\_

Activity 1: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm  
 Activity 2: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm  
 Activity 3: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm

**F What TIME did you LEAVE this place?** \_\_\_\_\_ : \_\_\_\_\_ am / pm → Move on to the next PLACE  
 I didn't leave this place → You are DONE. Thank You!

To see an example of an entire travel day, please visit [www.catravelsurvey.com](http://www.catravelsurvey.com)

**Example PLACE** What time did you ARRIVE at this place? (Record exact time) 7:32 (am/pm)

**B WHAT IS THIS PLACE?**

My Home  
 My Primary Job  
 My School  
 My Second Job  
 Transit Stop (bus or rail)  
 Other Place

Name of Place: Happy Kids Daycare  
 Street Address or Nearest Cross-streets: 901 Main Street  
 City (Colonia): Anytown State: CA Zip Code: 99999

**C HOW did you TRAVEL there?** (Write code from LIST 1) 5

How many other people traveled with you? (Don't Include yourself!) 2

Of those, how many were household members? 2

Which household members?  P1  P3  P5  P7  
 P2  P4  P6  P8

**D If you traveled by PRIVATE VEHICLE:**

Which household vehicle did you use? (Year / Make / Model): 2008 Honda Accord

Did not use a household vehicle

If you parked at this location, where did you park?  
 Did not park  Street  
 Parking lot  Driveway / Personal garage  
 Parking garage  Other: \_\_\_\_\_

How much did you pay to park? \$ \_\_\_\_\_ per \_\_\_\_\_  Did not pay

How did you pay for parking?  
 Cash / credit / debit card  
 Pre-paid parking pass  
 Employer provided parking pass  
 Other: \_\_\_\_\_

What are the nearest cross-streets to this parking location? Main St & 1st St

How much did you pay out-of-pocket to park that was not reimbursed by your employer? \$ \_\_\_\_\_

If you traveled by PUBLIC TRANSIT:  
 What transit system did you use? \_\_\_\_\_ What was the route or line number or name? \_\_\_\_\_

**E What ACTIVITIES did you do there?** (Write up to 3 codes from LIST 2 on the flap of the back cover and the start and end times.)

Code: Specify if code "3B": 221

Activity 1: 221 Start: 7:32 (am/pm) End: 7:36 (am/pm)  
 Activity 2: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm  
 Activity 3: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm

**F What TIME did you LEAVE this place?** 7:36 (am/pm) → Move on to the next PLACE  
 I didn't leave this place → You are DONE. Thank You!

Figure G.4: Travel Diary Inside - 2

**PLACE 1**

**BEGIN RECORDING YOUR TRAVEL HERE**

Your travel day begins with Place 1 at 3 a.m. Most people are home asleep at this time. If this is the case with you, check "My Home," then record your activities at this place and the exact time you leave.

**REMEMBER!**  
A PLACE can be a transfer point such as a transit stop or a parking location.

---

**A** WHERE were you at 3 a.m. on your travel day?

My Home  
 My Primary Job  
 My School  
 My Second Job  
 Transit Stop (bus or rail)  
 Other Place

Name of Place: \_\_\_\_\_  
 Street Address or Nearest Cross-streets: \_\_\_\_\_  
 City (Colonial): \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

---

**B** What ACTIVITIES did you do there? (Write up to 3 codes from LIST 2 on the flap of the back cover and the start and end times.)

Code: Specify if code "38": \_\_\_\_\_

Activity 1: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm  
 Activity 2: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm  
 Activity 3: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm

---

**C** What TIME did you LEAVE? \_\_\_\_\_ : \_\_\_\_\_ am / pm → Move on to next PLACE  
 (Please record exact time)  
 I didn't leave this place today → Answer D Below

---

**D** What is the MAIN reason you didn't leave this place today?

I was sick  
 Vacation or personal day  
 Child was sick  
 Other household member was sick  
 I am home-bound, elderly, or disabled  
 Worked at home (for pay)

Not scheduled to work  
 Worked around home (not for pay)  
 No transportation available  
 Weather  
 No reason to travel  
 Other: \_\_\_\_\_

*\*If you didn't leave this place today and you did more than three activities, please record the codes and start and end times for each activity on a separate sheet of paper.*

IF YOU DIDN'T LEAVE THIS PLACE TODAY: You are done. Thank you!

**PLACE 10**

**A** What time did you ARRIVE at this place? (Record exact time) \_\_\_\_\_ : \_\_\_\_\_ am / pm

---

**B** WHAT IS THIS PLACE?

My Home  
 My Primary Job  
 My School  
 My Second Job  
 Transit Stop (bus or rail)  
 Other Place

Name of Place: \_\_\_\_\_  
 Street Address or Nearest Cross-streets: \_\_\_\_\_  
 City (Colonial): \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

---

**C** HOW did you TRAVEL there? (Write code from LIST 1) \_\_\_\_\_

Of those, how many were household members? \_\_\_\_\_

How many other people traveled with you? (Don't include yourself) \_\_\_\_\_

Which household members?  P1  P3  P5  P7  
 P2  P4  P6  P8

---

**D** If you traveled by PRIVATE VEHICLE:

Which household vehicle did you use?  
 (Year / Make / Model) \_\_\_\_\_

Did not use a household vehicle

If you parked at this location, where did you park?  
 Did not park  Street  
 Parking lot  Driveway / Personal garage  
 Parking garage  Other: \_\_\_\_\_

How much did you pay to park?  
 \$ \_\_\_\_\_ per \_\_\_\_\_  Did not pay

How did you pay for parking?  
 Cash / credit / debit card  
 Pre-paid parking pass  
 Employer provided parking pass  
 Other: \_\_\_\_\_

What are the nearest cross-streets to this parking location?  
 \_\_\_\_\_

How much did you pay out-of-pocket to park that was not reimbursed by your employer? \$ \_\_\_\_\_

---

If you traveled by PUBLIC TRANSIT:

What transit system did you use? \_\_\_\_\_

What was the route or line number or name? \_\_\_\_\_

---

**E** What ACTIVITIES did you do there? (Write up to 3 codes from LIST 2 on the flap of the back cover and the start and end times.)

Code: Specify if code "38": \_\_\_\_\_

Activity 1: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm  
 Activity 2: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm  
 Activity 3: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm

---

**F** What TIME did you LEAVE this place? \_\_\_\_\_ : \_\_\_\_\_ am / pm → Move on to the next PLACE  
 (Please record exact time)  
 I didn't leave this place → You are DONE. Thank You!

Figure G.5: Travel Diary Inside - 3

**PLACE 9** A What time did you ARRIVE at this place? (Record exact time) \_\_\_\_\_ : \_\_\_\_\_ am / pm

**B WHAT is this PLACE?**

My Home  
 My Primary Job  
 My School  
 My Second Job  
 Transit Stop (bus or rail)  
 Other Place

Name of Place: \_\_\_\_\_  
 Street Address or Nearest Cross-streets: \_\_\_\_\_  
 City (Colonia): \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

**C HOW did you TRAVEL there?** (Write code from LIST 1) \_\_\_\_\_

How many other people traveled with you? (Don't include yourself) \_\_\_\_\_

Of those, how many were household members? \_\_\_\_\_

Which household members?  P1  P3  P5  P7  
 P2  P4  P6  P8

**D If you traveled by PRIVATE VEHICLE:**

Which household vehicle did you use?  
 (Year / Make / Model): \_\_\_\_\_  
 Did not use a household vehicle

If you parked at this location, where did you park?  
 Did not park  Street  
 Parking lot  Driveway / Personal garage  
 Parking garage  Other: \_\_\_\_\_

How much did you pay to park?  
 \$ \_\_\_\_\_ per  Did not pay

How did you pay for parking?  
 Cash / credit / debit card  
 Pre-paid parking pass  
 Employer provided parking pass  
 Other: \_\_\_\_\_

What are the nearest cross-streets to this parking location?  
 \_\_\_\_\_

How much did you pay out-of-pocket to park that was not reimbursed by your employer? \$ \_\_\_\_\_

**If you traveled by PUBLIC TRANSIT:**

What transit system did you use? \_\_\_\_\_

What was the route or line number or name? \_\_\_\_\_

**E What ACTIVITIES did you do there?** (Write up to 3 codes from LIST 2 on the flap of the back cover and the start and end times.)

Code: Specify if code "38": \_\_\_\_\_

Activity 1: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm  
 Activity 2: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm  
 Activity 3: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm

**F What TIME did you LEAVE this place?** \_\_\_\_\_ : \_\_\_\_\_ am / pm → **Move on to the next PLACE**  
 (Please record exact time)  
 I didn't leave this place → **You are DONE. Thank You!**

**PLACE 2** A What time did you ARRIVE at this place? (Record exact time) \_\_\_\_\_ : \_\_\_\_\_ am / pm

**B WHAT is this PLACE?**

My Home  
 My Primary Job  
 My School  
 My Second Job  
 Transit Stop (bus or rail)  
 Other Place

Name of Place: \_\_\_\_\_  
 Street Address or Nearest Cross-streets: \_\_\_\_\_  
 City (Colonia): \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

**C HOW did you TRAVEL there?** (Write code from LIST 1) \_\_\_\_\_

How many other people traveled with you? (Don't include yourself) \_\_\_\_\_

Of those, how many were household members? \_\_\_\_\_

Which household members?  P1  P3  P5  P7  
 P2  P4  P6  P8

**D If you traveled by PRIVATE VEHICLE:**

Which household vehicle did you use?  
 (Year / Make / Model): \_\_\_\_\_  
 Did not use a household vehicle

If you parked at this location, where did you park?  
 Did not park  Street  
 Parking lot  Driveway / Personal garage  
 Parking garage  Other: \_\_\_\_\_

How much did you pay to park?  
 \$ \_\_\_\_\_ per  Did not pay

How did you pay for parking?  
 Cash / credit / debit card  
 Pre-paid parking pass  
 Employer provided parking pass  
 Other: \_\_\_\_\_

What are the nearest cross-streets to this parking location?  
 \_\_\_\_\_

How much did you pay out-of-pocket to park that was not reimbursed by your employer? \$ \_\_\_\_\_

**If you traveled by PUBLIC TRANSIT:**

What transit system did you use? \_\_\_\_\_

What was the route or line number or name? \_\_\_\_\_

**E What ACTIVITIES did you do there?** (Write up to 3 codes from LIST 2 on the flap of the back cover and the start and end times.)

Code: Specify if code "38": \_\_\_\_\_

Activity 1: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm  
 Activity 2: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm  
 Activity 3: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm

**F What TIME did you LEAVE this place?** \_\_\_\_\_ : \_\_\_\_\_ am / pm → **Move on to the next PLACE**  
 (Please record exact time)  
 I didn't leave this place → **You are DONE. Thank You!**

Figure G.6: Travel Diary Inside - 4

**PLACE 3** A What time did you ARRIVE at this place? (Record exact time) \_\_\_\_\_ : \_\_\_\_\_ am / pm

**B WHAT is this PLACE?**

My Home  
 My Primary Job  
 My School  
 My Second Job  
 Transit Stop (bus or rail)  
 Other Place

Name of Place: \_\_\_\_\_  
 Street Address or Nearest Cross-streets: \_\_\_\_\_  
 City (Colonial): \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

**C HOW did you TRAVEL there?** (Write code from LIST 1) \_\_\_\_\_

How many other people traveled with you? (Don't Include yourself) \_\_\_\_\_

Of those, how many were household members? \_\_\_\_\_

Which household members?  P1  P3  P5  P7  
 P2  P4  P6  P8

**D If you traveled by PRIVATE VEHICLE:**

Which household vehicle did you use?  
 (Year / Make / Model): \_\_\_\_\_  
 Did not use a household vehicle

If you parked at this location, where did you park?  
 Did not park  Street  
 Parking lot  Driveway / Personal garage  
 Parking garage  Other: \_\_\_\_\_

How much did you pay to park?  
 \$ \_\_\_\_\_ per \_\_\_\_\_  Did not pay

How did you pay for parking?  
 Cash / credit / debit card  
 Pre-paid parking pass  
 Employer provided parking pass  
 Other: \_\_\_\_\_

What are the nearest cross-streets to this parking location?  
 \_\_\_\_\_

How much did you pay out-of-pocket to park that was not reimbursed by your employer? \$ \_\_\_\_\_

**If you traveled by PUBLIC TRANSIT:**

What transit system did you use? \_\_\_\_\_

What was the route or line number or name? \_\_\_\_\_

**E What ACTIVITIES did you do there?** (Write up to 3 codes from LIST 2 on the flap of the back cover and the start and end times.)

Code: Specify if code "38": \_\_\_\_\_

Activity 1: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm  
 Activity 2: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm  
 Activity 3: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm

**F What TIME did you LEAVE this place?** \_\_\_\_\_ : \_\_\_\_\_ am / pm → Move on to the next PLACE  
 (Please record exact time)  
 I didn't leave this place → You are DONE. Thank You!

**PLACE 8** A What time did you ARRIVE at this place? (Record exact time) \_\_\_\_\_ : \_\_\_\_\_ am / pm

**B WHAT is this PLACE?**

My Home  
 My Primary Job  
 My School  
 My Second Job  
 Transit Stop (bus or rail)  
 Other Place

Name of Place: \_\_\_\_\_  
 Street Address or Nearest Cross-streets: \_\_\_\_\_  
 City (Colonial): \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

**C HOW did you TRAVEL there?** (Write code from LIST 1) \_\_\_\_\_

How many other people traveled with you? (Don't Include yourself) \_\_\_\_\_

Of those, how many were household members? \_\_\_\_\_

Which household members?  P1  P3  P5  P7  
 P2  P4  P6  P8

**D If you traveled by PRIVATE VEHICLE:**

Which household vehicle did you use?  
 (Year / Make / Model): \_\_\_\_\_  
 Did not use a household vehicle

If you parked at this location, where did you park?  
 Did not park  Street  
 Parking lot  Driveway / Personal garage  
 Parking garage  Other: \_\_\_\_\_

How much did you pay to park?  
 \$ \_\_\_\_\_ per \_\_\_\_\_  Did not pay

How did you pay for parking?  
 Cash / credit / debit card  
 Pre-paid parking pass  
 Employer provided parking pass  
 Other: \_\_\_\_\_

What are the nearest cross-streets to this parking location?  
 \_\_\_\_\_

How much did you pay out-of-pocket to park that was not reimbursed by your employer? \$ \_\_\_\_\_

**If you traveled by PUBLIC TRANSIT:**

What transit system did you use? \_\_\_\_\_

What was the route or line number or name? \_\_\_\_\_

**E What ACTIVITIES did you do there?** (Write up to 3 codes from LIST 2 on the flap of the back cover and the start and end times.)

Code: Specify if code "38": \_\_\_\_\_

Activity 1: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm  
 Activity 2: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm  
 Activity 3: \_\_\_\_\_ Start: \_\_\_\_\_ : \_\_\_\_\_ am / pm End: \_\_\_\_\_ : \_\_\_\_\_ am / pm

**F What TIME did you LEAVE this place?** \_\_\_\_\_ : \_\_\_\_\_ am / pm → Move on to the next PLACE  
 (Please record exact time)  
 I didn't leave this place → You are DONE. Thank You!

Figure G.7: Travel Diary Inside - 5

**PLACE 7** What time did you ARRIVE at this place? (Record exact time)  :  am / pm

**D WHAT IS THIS PLACE?**

My Home  
 My Primary Job  
 My School  
 My Second Job  
 Transit Stop (bus or rail)  
 Other Place

Name of Place:   
 Street Address or Nearest Cross-streets:   
 City (Colonial):  State:  Zip Code:

**C HOW did you TRAVEL there?** (Write code from LIST 1)  Of those, how many were household members?   
 How many other people traveled with you? (Don't include yourself)  Which household members?  P1  P3  P5  P7  
 P2  P4  P6  P8 (Use person #s from label)

**D If you traveled by PRIVATE VEHICLE:**

Which household vehicle did you use? (Year / Make / Model):  How much did you pay to park? \$  per  Did not pay  
 Did not use a household vehicle

If you parked at this location, where did you park?  
 Did not park  Street  
 Parking lot  Driveway / Personal garage  
 Parking garage  Other:

How did you pay for parking?  
 Cash / credit / debit card  
 Pre-paid parking pass  
 Employer provided parking pass  
 Other:

What are the nearest cross-streets to this parking location?  How much did you pay out-of-pocket to park that was not reimbursed by your employer? \$

**If you traveled by PUBLIC TRANSIT:**

What transit system did you use?  What was the route or line number or name?

**E What ACTIVITIES did you do there?** (Write up to 3 codes from LIST 2 on the flap of the back cover and the start and end times.)  
 Code: Specify if code "38":

Activity 1:  Start:  :  am / pm End:  :  am / pm  
 Activity 2:  Start:  :  am / pm End:  :  am / pm  
 Activity 3:  Start:  :  am / pm End:  :  am / pm

**What TIME did you LEAVE this place?**  :  am / pm → Move on to the next PLACE  
 (Please record exact time)  I didn't leave this place → You are DONE. Thank You!

**PLACE 4** What time did you ARRIVE at this place? (Record exact time)  :  am / pm

**D WHAT IS THIS PLACE?**

My Home  
 My Primary Job  
 My School  
 My Second Job  
 Transit Stop (bus or rail)  
 Other Place

Name of Place:   
 Street Address or Nearest Cross-streets:   
 City (Colonial):  State:  Zip Code:

**C HOW did you TRAVEL there?** (Write code from LIST 1)  Of those, how many were household members?   
 How many other people traveled with you? (Don't include yourself)  Which household members?  P1  P3  P5  P7  
 P2  P4  P6  P8 (Use person #s from label)

**D If you traveled by PRIVATE VEHICLE:**

Which household vehicle did you use? (Year / Make / Model):  How much did you pay to park? \$  per  Did not pay  
 Did not use a household vehicle

If you parked at this location, where did you park?  
 Did not park  Street  
 Parking lot  Driveway / Personal garage  
 Parking garage  Other:

How did you pay for parking?  
 Cash / credit / debit card  
 Pre-paid parking pass  
 Employer provided parking pass  
 Other:

What are the nearest cross-streets to this parking location?  How much did you pay out-of-pocket to park that was not reimbursed by your employer? \$

**If you traveled by PUBLIC TRANSIT:**

What transit system did you use?  What was the route or line number or name?

**E What ACTIVITIES did you do there?** (Write up to 3 codes from LIST 2 on the flap of the back cover and the start and end times.)  
 Code: Specify if code "38":

Activity 1:  Start:  :  am / pm End:  :  am / pm  
 Activity 2:  Start:  :  am / pm End:  :  am / pm  
 Activity 3:  Start:  :  am / pm End:  :  am / pm

**What TIME did you LEAVE this place?**  :  am / pm → Move on to the next PLACE  
 (Please record exact time)  I didn't leave this place → You are DONE. Thank You!

Figure G.8: Travel Diary Inside - 6

**PLACE 5** A What time did you ARRIVE at this place? (Record exact time)  :  am / pm

**D WHAT IS THIS PLACE?**

My Home  
 My Primary Job  
 My School  
 My Second Job  
 Transit Stop (bus or rail)  
 Other Place

Name of Place:   
 Street Address or Nearest Cross-streets:   
 City (Colonial):  State:  Zip Code:

**C HOW did you TRAVEL there?** (Write code from LIST 1)

How many other people traveled with you? (Don't Include yourself)

Of those, how many were household members?

Which household members?  P1  P3  P5  P7  
 P2  P4  P6  P8

**D If you traveled by PRIVATE VEHICLE:**

Which household vehicle did you use?  
 (Year / Make / Model):   
 Did not use a household vehicle

If you parked at this location, where did you park?  
 Did not park  Street  
 Parking lot  Driveway / Personal garage  
 Parking garage  Other:

How much did you pay to park?  
 \$  per   Did not pay

How did you pay for parking?  
 Cash / credit / debit card  
 Pre-paid parking pass  
 Employer provided parking pass  
 Other:

What are the nearest cross-streets to this parking location?

How much did you pay out-of-pocket to park that was not reimbursed by your employer? \$

**If you traveled by PUBLIC TRANSIT:**

What transit system did you use?

What was the route or line number or name?

**E What ACTIVITIES did you do there?** (Write up to 3 codes from LIST 2 on the flap of the back cover and the start and end times.)

Code: Specify if code "38":

Activity 1:  Start:  :  am / pm End:  :  am / pm  
 Activity 2:  Start:  :  am / pm End:  :  am / pm  
 Activity 3:  Start:  :  am / pm End:  :  am / pm

**F What TIME did you LEAVE this place?**  :  am / pm → Move on to the next PLACE  
 (Please record exact time)  
 I didn't leave this place → You are DONE. Thank You!

**PLACE 6** A What time did you ARRIVE at this place? (Record exact time)  :  am / pm

**D WHAT IS THIS PLACE?**

My Home  
 My Primary Job  
 My School  
 My Second Job  
 Transit Stop (bus or rail)  
 Other Place

Name of Place:   
 Street Address or Nearest Cross-streets:   
 City (Colonial):  State:  Zip Code:

**C HOW did you TRAVEL there?** (Write code from LIST 1)

How many other people traveled with you? (Don't Include yourself)

Of those, how many were household members?

Which household members?  P1  P3  P5  P7  
 P2  P4  P6  P8

**D If you traveled by PRIVATE VEHICLE:**

Which household vehicle did you use?  
 (Year / Make / Model):   
 Did not use a household vehicle

If you parked at this location, where did you park?  
 Did not park  Street  
 Parking lot  Driveway / Personal garage  
 Parking garage  Other:

How much did you pay to park?  
 \$  per   Did not pay

How did you pay for parking?  
 Cash / credit / debit card  
 Pre-paid parking pass  
 Employer provided parking pass  
 Other:

What are the nearest cross-streets to this parking location?

How much did you pay out-of-pocket to park that was not reimbursed by your employer? \$

**If you traveled by PUBLIC TRANSIT:**

What transit system did you use?

What was the route or line number or name?

**E What ACTIVITIES did you do there?** (Write up to 3 codes from LIST 2 on the flap of the back cover and the start and end times.)

Code: Specify if code "38":

Activity 1:  Start:  :  am / pm End:  :  am / pm  
 Activity 2:  Start:  :  am / pm End:  :  am / pm  
 Activity 3:  Start:  :  am / pm End:  :  am / pm

**F What TIME did you LEAVE this place?**  :  am / pm → Move on to the next PLACE  
 (Please record exact time)  
 I didn't leave this place → You are DONE. Thank You!

# Appendix H: Travel Diary Packet Materials - GPS

## Participation Documents

### Wearable



**CALIFORNIA**  
Household Travel Survey



«RECPROJ» «SAMPN» «ASSIGN»

«FIRSTNAME» «LASTNAME»

«DATENOW»

«ADDRESS»

«CITY», «STATE» «ZIP»

**Thank you for participating in the California Household Travel Survey!** The information you provide will help ensure that future transportation projects reflect what your community needs and that transportation funds are spent wisely. Remember that we value your input, no matter how much or how little you travel.

**Step 1** Thank you for completing the Household Questionnaire in Step 1. Now, it's time for Step 2.

**Step 2** Record travel information in your:

**Travel Diary:** Record your travel for 24 hours on «FIRSTTRAVELDAY».

Enclosed is a Travel Diary for each person in your household. Each person should carry their Travel Diary for the assigned 24-hour period to record details about their travel and activities. We ask that an adult help anyone under age 16 fill out their Travel Diary.

**Long-Distance Travel Log:** Also enclosed is one Long-Distance Travel Log to record all long-distance trips made by any household member during the eight-week travel period specified on the Log.

*A long-distance trip is a trip made to a location 50 miles away or more from your home.*

**GPS devices:** Use your GPS devices from «FIRSTTRAVELDAY» to «LASTTRAVELDAY» as instructed in the enclosed "GPS Device Instructions for Use." Please return the GPS equipment (in the pre-paid FedEx package) immediately after your travel period. Hold on to your travel diaries for Step 3.

**Report your travel information to us in ONE of the following ways:**

**Step 3** **Online:** Go to [www.catravelssurvey.com](http://www.catravelssurvey.com). Click "Report Travel" and enter PIN#: «PINNO»

Each person should enter his/her own travel information. An adult can enter information for anyone under age 16.

**Mail:** Use the enclosed postage-paid envelope to return your completed travel diaries and Long-Distance Travel Log. If you choose this option, we may call you to clarify or collect any missing information.

**Phone:** NuStats will call after your travel day to collect your household's travel information.

Or, call toll-free 1-877-261-4621 to provide the information at your convenience.

Once we collect and confirm the travel information for all household members, we will send your \$«INAMT» check for participating in the survey within 8–10 weeks.

The survey is being conducted for Caltrans, the California Energy Commission, the California Air Resources Board, and local transportation planning agencies by NuStats, a professional survey firm. All information collected will be held strictly confidential and used only in combination with information provided from other participating households.

If you have questions about the survey or how to participate, visit [www.catravelssurvey.com](http://www.catravelssurvey.com), or call our toll-free survey hotline at 1-877-261-4621 (9am–9pm PST weekdays and 12pm–6pm PST weekends).

Thank you again for providing the details that will help improve transportation choices for the state.

Sincerely,

Vahid Nowshiravan, Project Manager

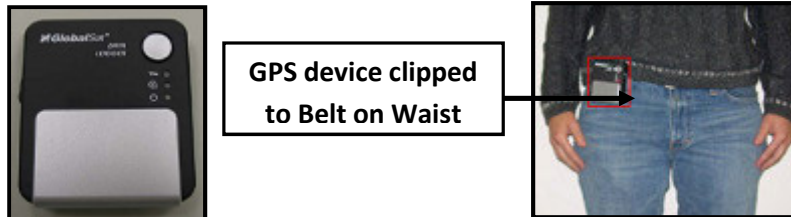
## GPS Device Instructions for Use

**Travel Diary Date:** «FIRSTTRAVELDAY»

**GPS Study Dates:** «FIRSTTRAVELDAY» through «LASTTRAVELDAY» («TRAVELDAYS» full days)

Welcome to the GPS component of the California Household Travel Survey, conducted by Caltrans and your regional planning agency. As mentioned when we first contacted you, the GPS portion of this survey will collect additional travel-related details needed for this study. We greatly appreciate your willingness to help us with this component.

This package contains one GPS logging device for each person between the ages of 16 and 75 in your household and travel diaries for everyone in your household. The following pictures show the GPS device and how it can be worn.



### GPS Device / Diary Assignment

The GPS devices and diaries should be provided to each person as shown in the table below. The GPS Unit ID appears on the back of each GPS logger. The name of each person and, if multiple people in your household have the same name, a unique color have also been placed on each GPS device.

Person	Name	Age	GPS Unit ID	Color Code
«PERSON1»	«NAME1»	«AGE1»	«GPSUNITID1»	
«PERSON2»	«NAME2»	«AGE2»	«GPSUNITID2»	
«PERSON3»	«NAME3»	«AGE3»	«GPSUNITID3»	
«PERSON4»	«NAME4»	«AGE4»	«GPSUNITID4»	
«PERSON5»	«NAME5»	«AGE5»	«GPSUNITID5»	
«PERSON6»	«NAME6»	«AGE6»	«GPSUNITID6»	
«PERSON7»	«NAME7»	«AGE7»	«GPSUNITID7»	
«PERSON8»	«NAME8»	«AGE8»	«GPSUNITID8»	
«PERSON9»	«NAME9»	«AGE9»	«GPSUNITID9»	
«PERSON10»	«NAME10»	«AGE10»	«GPSUNITID10»	

### When and How to Wear GPS Device

- You should wear the GPS device whenever you travel outside of your home starting on your assigned travel date and continuing through all days of your GPS study period (as listed above).
- When walking, biking or riding public transportation, you should wear the GPS device on your waist or clipped to your bag or purse. If you are riding inside a vehicle such as a car or truck, you can continue to wear the GPS device on your waist or place your bag or purse on the seat.

### Charge the GPS Device Battery Daily, Including the Day or Night before your Travel Diary Date

- Charge the device.** Plug one end of the enclosed cable (the end with the larger connector) into the cable on the side of the GPS device. Connect the opposite end of the cable into the wall plug adaptor and plug the adapter into the wall. If the connection is right, the bottom light on the GPS device will light up in amber/yellow indicating that it is charging.
- Confirm device is on.** Unplug the GPS device in the morning and make sure the green light (the top light nearest the large silver power button) is illuminated. If it is not, press the power button for four to five seconds until all lights appear. If they do not appear, please try again by first releasing and then pressing and holding the power button for four to five more seconds until all lights appear. Once all lights appear, you can release the button. The green and red lights should remain illuminated, meaning the device is ready to collect data. The green light will flash when data is being collected. The mode switch on the side of the device is not used and can be set to a, b, or c.

If you have any questions regarding the GPS equipment, please email [surveysupport@geostats.com](mailto:surveysupport@geostats.com) or call **GeoStats** toll-free at **1-866-436-7828** between 9am and 6pm (ET) Monday - Friday.  
*GeoStats is our contractor for the GPS component of the California Household Travel Survey.*



## GPS Device Return Instructions

**Please return all GPS devices, along with this page, immediately after your participation is complete.**

As soon as possible after «LASTTRAVELDAY», collect all GPS devices, cables, and AC adapters provided for your household, place them in the packaging material and box in which they arrived, and place the box inside the pre-paid FedEx Pak (and seal the Pak). You may drop the FedEx package at any FedEx store or drop box, or you can call 1-800-GoFedEx for a pick-up at your home.

Please DO NOT RETURN your travel diaries with your GPS equipment. You will need the diaries to report your travel by internet, phone, or by mail (using the return envelope provided).

**Please complete this table and return this page with your equipment in the box and FedEx Pak provided.**

Person	Name	Used GPS Device (Yes/No)	Reason if GPS device not used
«P_GPS1»	«NAMEGPS1»		
«P_GPS2»	«NAMEGPS2»		
«P_GPS3»	«NAMEGPS3»		
«P_GPS4»	«NAMEGPS4»		
«P_GPS5»	«NAMEGPS5»		
«P_GPS6»	«NAMEGPS6»		
«P_GPS7»	«NAMEGPS7»		
«P_GPS8»	«NAMEGPS8»		
«P_GPS9»	«NAMEGPS9»		
«P_GPS10»	«NAMEGPS10»		

### Return Checklist

- All GPS Devices, power cables, and AC adapters
- Packing materials / Original Box
- This page

### Remember, in order to receive your participation award, you must:

- Use the enclosed travel diaries
- Report your travel details by internet, phone or mail
- Use the enclosed GPS devices
- Return GPS devices via FedEx.

As explained above, to return the equipment, place the box with the equipment inside the pre-paid FedEx Pak (and seal the Pak). You may drop the FedEx package at any FedEx store/drop box, or you can call 1-800-GoFedEx for a pick-up at your home.

**Please provide any additional comments here:**

**Thanks for your participation!**

## Vehicle



Survey sponsored by:



## CALIFORNIA Household Travel Survey

«FIRSTNAME» «LASTNAME»  
«ADDRESS»  
«CITY», «STATE» «ZIP»

«RECPROJ» «SAMPN» «ASSIGN»  
«DATENOW»

**Thank you for participating in the California Household Travel Survey!** The information you provide will help ensure that future transportation projects reflect what your community needs and that transportation funds are spent wisely. Remember that we value your input, no matter how much or how little you travel.

**Step 1** Thank you for completing the Household Questionnaire in Step 1. Now, it's time for Step 2.

**Step 2** Record travel information in your:

- > **Travel Diary:** Record your travel for 24 hours on «FIRSTTRAVELDAY». Enclosed is a Travel Diary for each person in your household. Each person should carry their Travel Diary for the assigned 24-hour period to record details about their travel and activities. We ask that an adult help anyone under age 16 fill out their Travel Diary.
- > **Long-Distance Travel Log:** Also enclosed is one Long-Distance Travel Log to record all long-distance trips made by any household member during the eight-week travel period specified on the Log. *A long-distance trip is a trip made to a location 50 miles away or more from your home.*
- > **GPS devices:** Use your GPS devices from «FIRSTTRAVELDAY» to «LASTTRAVELDAY» as instructed in the enclosed "GPS Device Instructions for Use." Please return the GPS equipment (in the pre-paid FedEx package) immediately after your travel period. Hold on to your travel diaries for Step 3.

**Step 3** Report your travel information to us in ONE of the following ways:

- > **Online:** Go to [www.catravelssurvey.com](http://www.catravelssurvey.com). Click "Report Travel" and enter PIN#: «PINNO». Each person should enter his/her own travel information. An adult can enter information for anyone under age 16.
- > **Mail:** Use the enclosed postage-paid envelope to return your completed travel diaries and Long-Distance Travel Log. If you choose this option, we may call you to clarify or collect any missing information.
- > **Phone:** NuStats will call after your travel day to collect your household's travel information. Or, call toll-free 1-877-261-4621 to provide the information at your convenience.

Once we collect and confirm the travel information for all household members, we will send you \$«INAMT» check for participating in the survey within 8–10 weeks.

The survey is being conducted for Caltrans, the California Energy Commission, the California Air Resources Board, and local transportation planning agencies by NuStats, a professional survey firm. All information collected will be held strictly confidential and used only in combination with information provided from other participating households.

If you have questions about the survey or how to participate, visit [www.catravelssurvey.com](http://www.catravelssurvey.com), or call our toll-free survey hotline at 1-877-261-4621 (9am–9pm PST weekdays and 12pm–6pm PST weekends).

Thank you again for providing the details that will help improve transportation choices for the state.

Sincerely,

Vahid Nowshiravan, Project Manager

## GPS Device Instructions for Use

**Travel Diary Date:** «FIRSTTRAVELDAY»

**GPS Study Dates:** «FIRSTTRAVELDAY» through «LASTTRAVELDAY» (one full week)

Welcome to the GPS component of the California Household Travel Survey, conducted by Caltrans and your regional planning agency. As mentioned when we first contacted you, the GPS portion of this survey will collect additional travel-related details needed for this study. We greatly appreciate your willingness to help us with this component.

This package contains one GPS logging device for each operating vehicle in your household. The following pictures show the GPS device and a side view showing the power switch in the On position.



### GPS Device Assignment

The GPS devices should be provided to each vehicle as shown in the table below. The GPS Unit ID appears on the side of each GPS logger. The name of each vehicle and, if you have two of the same vehicle, a unique color have also been placed on each GPS device.

Vehicle	Year	Make	Model	GPS Unit ID	Color Code
«VEHICLE1»	«YEAR1»	«MAKE1»	«MODEL1»	«GPSUNITID1»	
«VEHICLE2»	«YEAR2»	«MAKE2»	«MODEL2»	«GPSUNITID2»	
«VEHICLE3»	«YEAR3»	«MAKE3»	«MODEL3»	«GPSUNITID3»	

### When and How to Install

- You should install each GPS device into the vehicle as assigned in the above table. Please do this at the start of your travel diary day.
- To install the GPS device, simply plug the power cord provided into your vehicle's power outlet or cigarette lighter socket (a red light should appear on the base that is inserted into the outlet if the connection is secure) and connect the other end of the power cable to the side of the GPS device.
- Place the GPS device on your dashboard with the QStarz name facing upward.
- The power cable has been provided with a small suction cup mount that you should affix to your windshield. This will keep the GPS device on the dashboard and will prevent it from sliding off.
- Once everything is connected properly, **please turn on the GPS device** if it is not already on. To do this, move the switch on the side of the device to the On position -- when it is powered on, the yellow lines on the switch and base of the device should appear as a continuous line (see image above). At least one of the lights on the top of the unit (near the red button) should be illuminated.
- A power splitter has been provided in case you need to use your power outlet to power other devices (such as your phone or iPod) during your travel week. If you use it, please make sure all connections are secure and that the red power light at the base of the power cord is illuminated.
- Please remove the GPS device from the dashboard and place in a shaded space when the vehicle is not in use and temperatures are above 80 degrees Fahrenheit.

It is very important that you confirm that the GPS device is powered on and that the power cable is securely connected throughout your assigned travel week.

If you have any questions regarding the GPS equipment, please email [surveysupport@geostats.com](mailto:surveysupport@geostats.com) or call **GeoStats** toll-free at **1-866-436-7828** between 8:30 AM and 5:30 PM (ET).  
*GeoStats is our contractor for the GPS component of the California Household Travel Survey.*

## GPS Device Return Instructions

**Please return the GPS devices, along with this page, immediately after your participation is complete.**

As soon as possible after «LASTTRAVELDAY», collect all GPS devices, cables, and AC adapters provided for your household, place them in the packaging material and box in which they arrived, and place the box inside the pre-paid FedEx Pak (and seal the Pak). You may drop the FedEx package at any FedEx store/drop box, or you can call 1-800-GoFedEx for a pick-up at your home.

Please DO NOT RETURN your travel diaries with your GPS equipment. You will need the diaries to report your travel by internet, phone, or by mail (using the return envelope provided).

**Please complete this table and return this page with your equipment in the box and FedEx Pak provided.**

Vehicle	Year	Make	Model	Used Equipment (Yes/No)	Reason if GPS device not used
«VEHICLE1»	«YEAR1»	«MAKE1»	«MODEL1»		
«VEHICLE2»	«YEAR2»	«MAKE2»	«MODEL2»		
«VEHICLE3»	«YEAR3»	«MAKE3»	«MODEL3»		

**Please provide any additional comments here:**

### Return Checklist

- All GPS Devices, power cables, and AC adapters
- Packing materials / Original Box
- This page

### Remember, in order to receive your participation award, you must:

- Use the enclosed travel diaries
- Report your travel details by internet, phone or mail
- Use the enclosed GPS devices
- Return GPS devices via FedEx.

As explained above, to return the equipment, place the box with the equipment inside the pre-paid FedEx Pak (and seal the Pak). You may drop the FedEx package at any FedEx store/drop box, or you can call 1-800-GoFedEx for a pick-up at your home.

**Thanks for your participation!**

**VEHICLE OBD**



**CALIFORNIA**  
Household Travel Survey

«FIRSTNAME» «LASTNAME»  
«ADDRESS»  
«CITY», «STATE» «ZIP»

«RECPROJ» «SAMPN» «ASSIGN»  
«DATENOW»

**Thank you for participating in the California Household Travel Survey!** The information you provide will help ensure that future transportation projects reflect what your community needs and that transportation funds are spent wisely. Remember that we value your input, no matter how much or how little you travel.

**Step 1** Thank you for completing the Household Questionnaire in Step 1. Now, it's time for Step 2.

**Step 2** Record travel information in your:

- > **Travel Diary:** Record your travel for 24 hours on «FIRSTTRAVELDAY». Enclosed is a Travel Diary for each person in your household. Each person should carry their Travel Diary for the assigned 24-hour period to record details about their travel and activities. We ask that an adult help anyone under age 16 fill out their Travel Diary.
- > **Long-Distance Travel Log:** Also enclosed is one Long-Distance Travel Log to record all long-distance trips made by any household member during the eight-week travel period specified on the Log.  
*A long-distance trip is a trip made to a location 50 miles away or more from your home.*
- > **GPS & OBD devices:** Use your GPS devices & OBD engine sensors from «FIRSTTRAVELDAY» to «LASTTRAVELDAY» as instructed in the enclosed "GPS/OBD Engine Sensor Device Instructions for Use." Please return the GPS & OBD equipment, and page 4 of this letter (in the pre-paid FedEx package) immediately after your travel period. Hold on to your travel diaries for Step 3.

**Step 3** Report your travel information to us in ONE of the following ways:

- > **Online:** Go to [www.catravelssurvey.com](http://www.catravelssurvey.com). Click "Report Travel" and enter PIN#: «PINNO» Each person should enter his/her own travel information. An adult can enter information for anyone under age 16.
- > **Mail:** Use the enclosed postage-paid envelope to return your completed travel diaries and Long-Distance Travel Log. If you choose this option, we may call you to clarify or collect any missing information.
- > **Phone:** NuStats will call after your travel day to collect your household's travel information. Or, call toll-free 1-877-261-4621 to provide the information at your convenience.

Once we collect and confirm the travel information for all household members, we will send your \$«INAMT» check for participating in the survey within 8–10 weeks.

The survey is being conducted for Caltrans, the California Energy Commission, the California Air Resources Board, and local transportation planning agencies by NuStats, a professional survey firm. All information collected will be held strictly confidential and used only in combination with information provided from other participating households.

If you have questions about the survey or how to participate, visit [www.catravelssurvey.com](http://www.catravelssurvey.com), or call our toll-free survey hotline at 1-877-261-4621 (9am–9pm PST weekdays and 12pm–6pm PST weekends).

Thank you again for providing the details that will help improve transportation choices for the state.

Sincerely,

Vahid Nowshiravan, Project Manager

## GPS Device Instructions for Use

**Travel Diary Date:** «FIRSTTRAVELDAY»

**GPS Study Dates:** «FIRSTTRAVELDAY» through «LASTTRAVELDAY» (one full week)

Welcome to the GPS component of the California Household Travel Survey, conducted by your regional planning agency. As mentioned when we first contacted you, the GPS portion of this survey will collect additional travel-related details needed for this study. We greatly appreciate your willingness to help us with this component.

This package contains one GPS logging device for operating vehicle in your household. The following pictures show the GPS device and a side view showing the power switch in the On position.



### GPS Device Assignment

The GPS devices should be provided to each vehicle as shown in the table below. The GPS Unit ID appears on the side of each GPS logger. The name of each vehicle and a unique color dot have also been placed on each GPS device.

Vehicle	Year	Make	Model	GPS Unit ID	Color Code
«VEHICLE1»	«YEAR1»	«MAKE1»	«MODEL1»	«GPSUNITID1»	
«VEHICLE2»	«YEAR2»	«MAKE2»	«MODEL2»	«GPSUNITID2»	
«VEHICLE3»	«YEAR3»	«MAKE3»	«MODEL3»	«GPSUNITID3»	

### When and How to Install

- You should install each GPS device into the vehicle as assigned in the above table. Please do this at the start of your travel diary day.
- To install the GPS device, simply plug the power cord provided into your vehicle's power outlet or cigarette lighter socket (a red light should appear on the base that is inserted into the outlet if the connection is secure) and connect the other end of the power cable to the side of the GPS device.
- Place the GPS device on your dashboard with the QStarz name facing upward.
- The power cable has been provided with a small suction cup mount that you should affix to your windshield. This will keep the GPS device on the dashboard and will prevent it from sliding off.
- Once everything is connected properly, **please turn on the GPS device** if it is not already on. To do this, move the switch on the side of the device to the On position -- when it is powered on, the yellow lines on the switch and base of the device should appear as a continuous line (see image above). At least one of the lights on the top of the unit (near the red button) should be illuminated.
- A power splitter has been provided in case you need to use your power outlet to power other devices (such as your phone or iPod) during your travel week. If you use it, please make sure all connections are secure and that the red power light at the base of the power cord is illuminated.
- Please remove the GPS device from the dashboard and place in a shaded space when the vehicle is not in use and temperatures are above 80 degrees Fahrenheit.

It is very important that you confirm that the GPS device is powered on and that the power cable is securely connected throughout your assigned travel week.

If you have any questions regarding the GPS equipment, please email [surveysupport@geostats.com](mailto:surveysupport@geostats.com) or call **GeoStats** toll-free at **1-866-436-7828** between 8:30 AM and 5:30 PM (ET).  
*GeoStats is our contractor for the GPS component of the California Household Travel Survey.*

## OBD Engine Sensor Instructions for Use

**Travel Diary Date:** «FIRSTTRAVELDAY»

**GPS Study Dates:** «FIRSTTRAVELDAY» through «LASTTRAVELDAY» (one full week)

Welcome to the On Board Diagnostics (OBD) component of the California Household Travel Survey, conducted by the California Department of Transportation. As mentioned when we first contacted you, the OBD engine sensor portion of this survey will collect additional vehicle travel-related details needed for this study. We greatly appreciate your willingness to help us with this component.

This package contains one On Board Diagnostic engine sensor for each operating vehicle in your household. The following picture shows the engine sensor and a back side view showing the end of the device which will be inserted into the vehicle's diagnostics port.



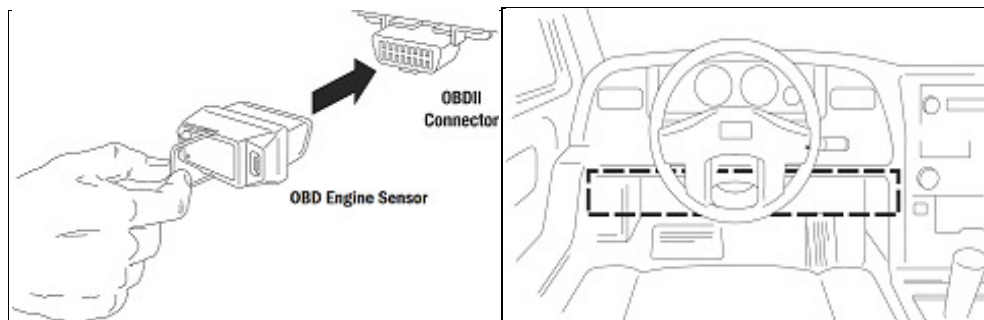
### OBD/Engine Sensor Device Assignment

The engine sensor should be provided to each vehicle as shown in the table below. The OBD Unit ID appears on the top of each engine sensor. A unique color dot has also been placed on each engine sensor. Each vehicle should have a GPS device and OBD engine sensor device with matching color dots.

Vehicle	Year	Make	Model	OBD Unit ID	Color Code
«VEHICLE1»	«YEAR1»	«MAKE1»	«MODEL1»	«OBDUNITID1»	
«VEHICLE2»	«YEAR2»	«MAKE2»	«MODEL2»	«OBDUNITID2»	
«VEHICLE3»	«YEAR3»	«MAKE3»	«MODEL3»	«OBDUNITID3»	

### When and How to Install

- You should install each engine sensor into the vehicle as assigned in the above table. Please do this at the start of your travel diary day.
- To install the OBD engine sensor, plug the device into the On Board Diagnostics data port in your vehicle as illustrated below:



If you have trouble finding the On Board Diagnostics port, check the following areas:

- Under the dash
- In front of the passenger seat
- Behind the ashtray
- Behind small access panel in the dash
- In or around the center console

The engine sensor, when properly installed, will beep one time upon installation, and once every time the ignition is started. In addition, the engine sensor will display a green light illustrating that a connection has been made.

For more information on OBD engine sensors and installation visit, [www.catravelssurvey.com/OBDFAQS.aspx](http://www.catravelssurvey.com/OBDFAQS.aspx)  
 If you have any questions regarding the GPS or OBD engine sensor equipment, please email [surveysupport@geostats.com](mailto:surveysupport@geostats.com) or call **GeoStats** toll-free at **1-866-436-7828** between 8:30 AM and 5:30 PM (ET).  
*GeoStats is our contractor for the GPS component of the California Household Travel Survey.*

## GPS Device & OBD Engine Sensor Return Instructions

**Please return the GPS devices and OBD engine sensors, with this page, immediately after your participation is complete.**

As soon as possible after «LASTTRAVELDAY», collect all GPS devices, OBD engine sensors, and power cables provided for your household, place them in the packaging material and box in which they arrived, and place the box inside the pre-paid FedEx Pak (and seal the Pak). You may drop the FedEx package at any FedEx store/drop box, or you can call 1-800-GoFedEx for a pick-up at your home.

Please DO NOT RETURN your travel diaries with your GPS and OBD equipment. You will need the diaries to report your travel by internet, phone, or by mail (using the U.S. Postal Service return envelope provided).

**Please complete this table and return this page with your equipment in the box and FedEx Pak provided.**

Vehicle	Year	Make	Model	GPS ID	GPS Used? (Y/N)	OBD ID	OBD Used? (Y/N)	Odometer Reading*	License Plate Number
«VEHICLE1»	«YEAR1»	«MAKE1»	«MODEL1»	«GPSUNITID1»		«OBDUNITID1»			
«VEHICLE2»	«YEAR2»	«MAKE2»	«MODEL2»	«GPSUNITID2»		«OBDUNITID2»			
«VEHICLE3»	«YEAR3»	«MAKE3»	«MODEL3»	«GPSUNITID3»		«OBDUNITID3»			

\*Odometer Reading at the time of Removal

**If any equipment not used, please provide reason and any additional comments here:**

### Return Checklist

- All GPS Devices, OBD engine sensors, power cables.
- Packing materials / Original Box
- This page

### Remember, in order to receive your participation award, you must:

- Use the enclosed travel diaries
- Report your travel details by internet, phone or mail
- Use the enclosed GPS devices and OBD engine sensors
- Return GPS devices and OBD engine sensors via FedEx

As explained above, to return the equipment, place the box with the equipment inside the pre-paid FedEx Pak (and seal the Pak). You may drop the FedEx package at any FedEx store/drop box, or you can call 1-800-GoFedEx for a pick-up at your home.

**Thanks for your participation!**



**\$75**

## Thanks for Participating!

### **DON'T FORGET...**

To thank you for your effort, we are offering \$75 if everyone in your household:

- Uses the GPS devices and travel diaries as instructed.
- Returns GPS devices via FedEx within one week after the last assigned GPS date. Please remember to keep your travel diaries.
- Reports travel details by internet, phone or mail within one week after GPS devices are returned.

*Your check will be mailed once your travel and GPS information are complete and confirmed for everyone in your household.*

**\$75**

**Incentive Letter**



January 15, 2013

Jamie Smith  
599 Forest Hills St.  
Reseda, CA 91335

Dear Jamie Smith,

Thank you for your participation in the Wearable GPS portion of the California Household Travel Survey conducted on behalf of Caltrans, the California Energy Commission, the California Air Resources Board and your local transportation planning agency. Enclosed is a \$50 participation gift for your assistance with this important study.

Your participation will help us build a more accurate picture of transportation needs and will enable California to get the most value out of future transportation investments. We hope you will consider being a part of future Caltrans studies.

I want to apologize for the delay in the receipt of your participation gift, and thank you for your patience and understanding.

Sincerely,

Jean Wolf  
President  
GeoStats

HHID: 1234567

## Equipment Retrieval Letter



Tom Jones  
242 W. Hillcrest Avenue  
San Francisco, CA 94801

January 10, 2013

Dear Tom Jones,

Thank you for your participation in the GPS portion of the California Household Travel Survey conducted on behalf of Caltrans.

Our records indicate that we have not received the GPS device(s) sent to you. We need your help to get the unit(s) back so that we can use them again for other study participants. We have made several attempts to contact you via telephone and mail. Please call us at 1-866-GeoStats (1-866-436-7828) to let us know if you can return the devices soon or if you have already returned them.

You can return the equipment in the box in which it was sent – just insert the box inside the pre-paid FedEx envelope provided with the equipment. Then call 1-800-GOFEDEX (1-800-463-3339) for a pick up at your home or drop the package in any FedEx drop box or at any FedEx store. (If you need a replacement envelope, we would be happy to send one to you – just give us a call.)

Thanks again for your participation. We hope you will consider being a part of future Caltrans studies.

Sincerely,

Jean Wolf  
President  
GeoStats

HHID: 1234567

# Appendix I: Energy Commission Materials

Specialized materials were required for Electric Vehicles (EV) and Plug-in Hybrid Electric Vehicles (PHEV) households participating in the CHTS. Figures I.1-I.5 show the materials that were included in GPS-OBD packets for EV and PHEV owners.

Figure I.1: Electric Vehicle Generic Survey

**\*\*\*Please Fill In And Return This Page With Equipment\*\*\***

### Battery Electric Vehicle Survey

If you have home charging equipment that displays energy used in KWh, please charge your vehicle the night before you install the GPS.

#### PART 1. When Installing the GPS

1. Please record odometer reading \_\_\_\_\_
2. Please estimate battery level in percent \_\_\_\_\_ and in miles left if applicable \_\_\_\_\_
3. Please record average miles/kWh if applicable \_\_\_\_\_ over how many miles? \_\_\_\_\_
4. Please reset the trip odometer and miles/kWh record.

Please record, for each charging event, **IF** you have home charging equipment:

_____ KWh	Date: ____/____/____	Time: _____ AM PM (circle one)
_____ KWh	Date: ____/____/____	Time: _____ AM PM (circle one)
_____ KWh	Date: ____/____/____	Time: _____ AM PM (circle one)
_____ KWh	Date: ____/____/____	Time: _____ AM PM (circle one)
_____ KWh	Date: ____/____/____	Time: _____ AM PM (circle one)
_____ KWh	Date: ____/____/____	Time: _____ AM PM (circle one)

#### PART 2. When Uninstalling the GPS

1. Please record odometer reading \_\_\_\_\_
2. Please estimate battery level in percent \_\_\_\_\_ and in miles if applicable \_\_\_\_\_
3. Please record average miles/ kWh if applicable \_\_\_\_\_
4. If you charged the vehicle the night before you installed the GPS, please charge again to the initial level, and record the data and final energy in KWh:

_____ KWh	Date: ____/____/____	Time: _____ AM PM (circle one)
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Survey conducted by NuStats on behalf of Caltrans, the California Energy Commission, the California Air Resources Board, and local transportation planning agencies.

Figure I.2: Nissan LEAF Survey – Page 1

\*\*\*Please Fill In (front and back) And Return This Page With Equipment\*\*\*

## Nissan LEAF Survey

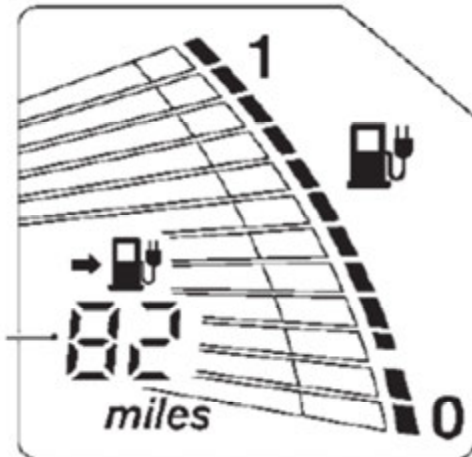
### PART 1. When Installing the GPS

1. Please record odometer reading when installing the GPS (1 on the figure)

\_\_\_\_\_

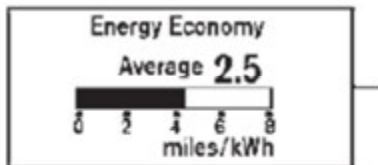


2. Please record battery level in bars (1-12) \_\_\_\_\_ and miles \_\_\_\_\_



3. Please push *menu* on the main screen, then *info>>energy info*

Please record average miles/kw \_\_\_\_\_



**Continue to back to complete PART 1**

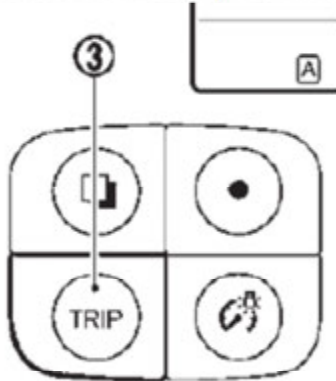
Survey conducted by NuStats on behalf of Caltrans, the California Energy Commission, the California Air Resources Board, and local transportation planning agencies.

Figure I.3: Nissan LEAF Survey – Page 2

\*\*\*Please Fill In (front and back) And Return This Page With Equipment\*\*\*

**PART 1. Continued**

4. Please reset the trip odometer by pushing the TRIP switch (3) for 1 second.



5. Please push *history* and record the number of bars that exceed 4 miles/kWh (the higher line) \_\_\_ or are under 2 miles/kWh \_\_\_\_\_ (the middle line)

**PART 2. When Removing the GPS**

1. Please record odometer reading when uninstalling the GPS \_\_\_\_\_
2. Please record battery level in bars (1-12) \_\_\_\_\_ and miles \_\_\_\_\_
3. Please push *menu* on the main screen, then *info>>energy info*  
Please record average miles/kw \_\_\_\_\_
4. Please push *history* and record the number of bars that exceed 4 miles/kWh (the higher line) \_\_\_ or are under 2 miles/kWh \_\_\_\_\_ (the middle line)

Survey conducted by NuStats on behalf of Caltrans, the California Energy Commission, the California Air Resources Board, and local transportation planning agencies.

Figure I.4: Plug-in Hybrid Electric Vehicle Generic Survey

**\*\*\*Please Fill In And Return This Page With Equipment\*\*\***

### Plug-in Hybrid Vehicle Survey

If you have home charging equipment that displays energy used in KWh, please charge your vehicle the night before you install the GPS.

#### PART 1: When Installing the GPS

1. Please record the odometer reading \_\_\_\_\_
2. Please estimate battery level in percent \_\_\_\_\_ and in miles if applicable \_\_\_\_\_
3. Please record average miles/ kWh if applicable \_\_\_\_\_ over how many miles? \_\_\_\_\_
4. Please record average miles/gallon if applicable \_\_\_\_\_ over how many miles? \_\_\_\_\_
5. Please reset the trip odometer and miles per gallon/kWh record.
6. **Please record, for each charging event, IF you have home charging equipment:**  
\_\_\_\_\_ kWh Date: \_\_\_/\_\_\_/\_\_\_ Time: \_\_\_\_\_ AM PM (circle one)  
\_\_\_\_\_ kWh Date: \_\_\_/\_\_\_/\_\_\_ Time: \_\_\_\_\_ AM PM (circle one)  
\_\_\_\_\_ kWh Date: \_\_\_/\_\_\_/\_\_\_ Time: \_\_\_\_\_ AM PM (circle one)  
\_\_\_\_\_ kWh Date: \_\_\_/\_\_\_/\_\_\_ Time: \_\_\_\_\_ AM PM (circle one)  
\_\_\_\_\_ kWh Date: \_\_\_/\_\_\_/\_\_\_ Time: \_\_\_\_\_ AM PM (circle one)  
\_\_\_\_\_ kWh Date: \_\_\_/\_\_\_/\_\_\_ Time: \_\_\_\_\_ AM PM (circle one)

#### PART 2: When Uninstalling the GPS

1. Please record odometer reading: \_\_\_\_\_
2. Please estimate battery level in percent \_\_\_\_\_ and in miles left if applicable \_\_\_\_\_
3. Please record average miles/ kWh if applicable \_\_\_\_\_ over how many miles? \_\_\_\_\_
4. Please record average miles/gallon if applicable \_\_\_\_\_ over how many miles? \_\_\_\_\_
5. If you charged the vehicle the night before you installed the GPS, please charge again to the same level, and record the data and final energy in KWh:  
  
\_\_\_\_\_ kWh Date: \_\_\_/\_\_\_/\_\_\_ Time: \_\_\_\_\_ AM PM (circle one)

Survey conducted by NuStats on behalf of Caltrans, the California Energy Commission, the California Air Resources Board, and local transportation planning agencies.



Figure I.5: Chevrolet Volt Survey

**\*\*\*Please Fill In And Return This Page With Equipment\*\*\***

## Chevrolet Volt Survey

### PART 1. When installing the GPS please:

1. Reset trip A or trip B to zero by scrolling the SELECT knob to either trip and pressing select to reset the miles.



2. Record your battery state of charge  
Number of Bars 1-10 and \_\_\_\_\_ miles left



### PART 2. When Uninstalling the GPS:

1. Use the driver information center to show Trip A or Trip B
2. Scroll the SELECT knob to the appropriate Trip (A or B) and use the information to fill in the following items:

Traveled \_\_\_\_\_ miles

Used \_\_\_\_\_ Gal

Avg \_\_\_\_\_ miles


Survey conducted by NuStats on behalf of Caltrans, the California Energy Commission, the California Air Resources Board, and local transportation planning agencies.

# Appendix J: Long Distance Materials

**Table J. 1: Items for LD questionnaire:**

LDNO	Long distance trip number
LDDAT	Date
LDORG	Origin
LDDPNM	Origin Place Name
LDDCITY	Origin City
LDDZIP	Origin Zip code
LDDST	Origin State
LDDCNTR	Origin Country
LDDXCORD	Origin X-coordinate
LDDYCORD	Origin Y-coordinate
LDDPNM	Destination Place Name
LDDCITY	Destination City
LDDZIP	Destination Zip code
LDDST	Destination State
LDDCNTR	Destination Country
LDDXCORD	Destination X-coordinate
LDDYCORD	Destination Y-coordinate
LDDPURP	Long distance Trip Purpose
O_LDDPURP	Long distance Trip Purpose, other
LDWHO	People on trip
LDDMHH	Household members on trip

Figure J.1: Long Distance Log - 1



## Long-Distance TRAVEL LOG

Name of person completing this log: \_\_\_\_\_

Your person number: (Person #s are on the Travel Diary label)  
 P1  P2  P3  P4  P5  P6  P7  P8

No one in my household made a long-distance trip in the eight weeks prior to our travel day.  
 If this is the case, please fill in the bubble above and return this Log with your completed Diaries.

**INSTRUCTIONS**

Record details about all long-distance trips made by any household member during the travel period shown on the label.

A long-distance trip is a trip made to a location 50 miles away or more from your home.

Record each way (away from home and returning home) as a separate trip.

If you made more than 8 long-distance trips, please record the details on a separate piece of paper.

**How do I provide my Long-Distance Travel Log information?**

Online: Enter your information at [www.caltravelssurvey.com](http://www.caltravelssurvey.com). Use PIN# on the label.

OR

Mail: Return with your completed travel diaries.

OR

Phone: We will call you to collect your Log and Travel Diary information. Or, you can call us at the toll free hotline number below.

**Questions? Call the toll-free hotline at 1-877-261-4621**

**Lists A and B are on the back!** →

Trip Departure DATE <small>(Locations 50 miles away or more)</small>	WHERE were you when you STARTED this trip?	WHERE did you travel TO? <small>(Your final destination)</small>	MAIN PURPOSE of trip <small>(Use LIST A CODES)</small>	HOW MANY OTHER PEOPLE were traveling with you? <small>(Excluding yourself)</small>	What METHOD OF TRAVEL was used for the longest distance? <small>(Use LIST B CODES)</small>
<b>Trip 1</b> Mark Recent Date: ____/____/____	Place Name: _____ Address or Nearest Cross-streets: _____ City: _____ State/ZIP/Country: _____	Place Name: _____ Address or Nearest Cross-streets: _____ City: _____ State/ZIP/Country: _____	List ONE code only	# of people traveling with you (including yourself): _____ # of household members (including yourself): _____ Which household members traveled? (see person #s from diary label) <input type="radio"/> P1 <input type="radio"/> P2 <input type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> P5 <input type="radio"/> P6 <input type="radio"/> P7 <input type="radio"/> P8	List ONE code only
<b>Trip 2</b> Date: ____/____/____	Place Name: _____ Address or Nearest Cross-streets: _____ City: _____ State/ZIP/Country: _____	Place Name: _____ Address or Nearest Cross-streets: _____ City: _____ State/ZIP/Country: _____	List ONE code only	# of people traveling with you (including yourself): _____ # of household members (including yourself): _____ Which household members traveled? (see person #s from diary label) <input type="radio"/> P1 <input type="radio"/> P2 <input type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> P5 <input type="radio"/> P6 <input type="radio"/> P7 <input type="radio"/> P8	List ONE code only
<b>Trip 3</b> Date: ____/____/____	Place Name: _____ Address or Nearest Cross-streets: _____ City: _____ State/ZIP/Country: _____	Place Name: _____ Address or Nearest Cross-streets: _____ City: _____ State/ZIP/Country: _____	List ONE code only	# of people traveling with you (including yourself): _____ # of household members (including yourself): _____ Which household members traveled? (see person #s from diary label) <input type="radio"/> P1 <input type="radio"/> P2 <input type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> P5 <input type="radio"/> P6 <input type="radio"/> P7 <input type="radio"/> P8	List ONE code only
<b>Trip 4</b> Date: ____/____/____	Place Name: _____ Address or Nearest Cross-streets: _____ City: _____ State/ZIP/Country: _____	Place Name: _____ Address or Nearest Cross-streets: _____ City: _____ State/ZIP/Country: _____	List ONE code only	# of people traveling with you (including yourself): _____ # of household members (including yourself): _____ Which household members traveled? (see person #s from diary label) <input type="radio"/> P1 <input type="radio"/> P2 <input type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> P5 <input type="radio"/> P6 <input type="radio"/> P7 <input type="radio"/> P8	List ONE code only

Figure J.2: Long Distance Log - 2

Trip Departure DATE <small>(Locations 50 miles away or more)</small>	WHERE were you when you STARTED this trip?	WHERE did you travel TO? <small>(Your final destination)</small>	MAIN PURPOSE of trip <small>(Use LIST A CODES)</small>	HOW MANY OTHER PEOPLE were traveling with you? <small>(Excluding yourself)</small>	What METHOD OF TRAVEL was used for the longest distance? <small>(Use LIST B CODES)</small>
<b>Trip 5</b> Date: ____/____/____	Place Name: _____ Address or Nearest Cross-streets: _____ City: _____ State/ZIP/Country: _____	Place Name: _____ Address or Nearest Cross-streets: _____ City: _____ State/ZIP/Country: _____	List ONE code only	# of people traveling with you (including yourself): _____ # of household members (including yourself): _____ Which household members traveled? (see person #s from diary label) <input type="radio"/> P1 <input type="radio"/> P2 <input type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> P5 <input type="radio"/> P6 <input type="radio"/> P7 <input type="radio"/> P8	List ONE code only
<b>Trip 6</b> Date: ____/____/____	Place Name: _____ Address or Nearest Cross-streets: _____ City: _____ State/ZIP/Country: _____	Place Name: _____ Address or Nearest Cross-streets: _____ City: _____ State/ZIP/Country: _____	List ONE code only	# of people traveling with you (including yourself): _____ # of household members (including yourself): _____ Which household members traveled? (see person #s from diary label) <input type="radio"/> P1 <input type="radio"/> P2 <input type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> P5 <input type="radio"/> P6 <input type="radio"/> P7 <input type="radio"/> P8	List ONE code only
<b>Trip 7</b> Date: ____/____/____	Place Name: _____ Address or Nearest Cross-streets: _____ City: _____ State/ZIP/Country: _____	Place Name: _____ Address or Nearest Cross-streets: _____ City: _____ State/ZIP/Country: _____	List ONE code only	# of people traveling with you (including yourself): _____ # of household members (including yourself): _____ Which household members traveled? (see person #s from diary label) <input type="radio"/> P1 <input type="radio"/> P2 <input type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> P5 <input type="radio"/> P6 <input type="radio"/> P7 <input type="radio"/> P8	List ONE code only
<b>Trip 8</b> Date: ____/____/____	Place Name: _____ Address or Nearest Cross-streets: _____ City: _____ State/ZIP/Country: _____	Place Name: _____ Address or Nearest Cross-streets: _____ City: _____ State/ZIP/Country: _____	List ONE code only	# of people traveling with you (including yourself): _____ # of household members (including yourself): _____ Which household members traveled? (see person #s from diary label) <input type="radio"/> P1 <input type="radio"/> P2 <input type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> P5 <input type="radio"/> P6 <input type="radio"/> P7 <input type="radio"/> P8	List ONE code only

Thank you for your participation! To provide your Log information, please follow the instructions on the front page.

- LIST A CODES - TRIP PURPOSE**
- 1 Going to work
  - 2 Business (work-related meeting / convention / seminar)
  - 3 Combined business and pleasure
  - 4 School-related activity
  - 5 Visit friends / relatives / wedding / funeral
  - 6 Medical
  - 7 Vacation / Sightseeing
  - 8 Outdoor recreation (sports, fishing, hunting, camping, boating, etc.)
  - 9 Entertainment (theater, concert, sports event, gambling, etc.)
  - 10 Personal business (e.g., shopping)
  - 11 Drive someone else
  - 12 Return home
  - 97 Other (write code 97 and specify)

- LIST B CODES - METHOD OF TRAVEL**
- |   |  |
|---|--|
| <p><b>NON-MOTORIZED:</b></p> <ol style="list-style-type: none"> <li>1 Walk</li> <li>2 Bike</li> <li>3 Wheelchair / Mobility Scooter</li> <li>4 Other Non-Motorized (plumbard, etc.)</li> </ol> <p><b>PRIVATE VEHICLES:</b></p> <ol style="list-style-type: none"> <li>5 Auto / Van / Truck Driver</li> <li>6 Auto / Van / Truck Passenger</li> <li>7 Carpool / Vanpool</li> <li>8 Motorcycle / Scooter / Moped</li> </ol> <p><b>PRIVATE TRANSIT:</b></p> <ol style="list-style-type: none"> <li>9 Taxi / Hired Car / Limo</li> <li>10 Rental Car / Vehicle</li> </ol> | <p><b>PRIVATE SHUTTLE (SuperShuttle, employer, hotel, etc.)</b></p> <ol style="list-style-type: none"> <li>11 Private Shuttle (SuperShuttle, employer, hotel, etc.)</li> <li>12 Greyhound Bus</li> <li>13 Airplane</li> <li>14 Other Private Transit</li> </ol> <p><b>PUBLIC TRANSIT:</b></p> <p><b>Bus</b></p> <ol style="list-style-type: none"> <li>15 Local Bus, Rapid Bus</li> <li>16 Express Bus / Commuter Bus (AC Transit)</li> <li>17 Premium Bus (Metro Orange / Silver Line)</li> <li>18 School Bus</li> <li>19 Public Transit Shuttle (DASH, Emery Go-Round, etc.)</li> <li>20 AirBART / LAX FlyAway</li> </ol> <p><b>Rail / Subway</b></p> <ol style="list-style-type: none"> <li>21 BART Metro Red / Purple Line</li> <li>22 Amtrak Bus</li> <li>23 Other Bus</li> <li>24 BART Metro Red / Purple Line</li> <li>25 ACE, Amtrak, Caltrans, Coaster, Metrolink</li> <li>26 Metro Blue / Green / Gold Line, Muni Metro</li> <li>27 Sacramento Light Rail, San Diego Sprinter / Trolley / Orange / Blue / Green, VTA Light Rail</li> <li>28 Street Car / Cable Car</li> <li>29 Other Rail</li> </ol> <p><b>Ferry</b></p> <ol style="list-style-type: none"> <li>29 Ferry / Boat</li> </ol> |
|---|--|

# Appendix K: Matrix of Data Items

Household (Table Name: Deliv_HH)			
Variable Name	Variable Description	VALUES	Condition
SAMPN	Sample Number		
RECMODE	Recruit Mode	1=CATI 2=CAWI	
RETMODE	Retrieval Mode	1=CATI 2=CAWI 3=Mail Back (Data Entry)	
INCEN	Incentive Flag	1=Yes 2=No	
ILANG	Interview Language	1=ENGLISH 2=SPANISH	
CTFIP	Residential County	06001=ALAMEDA 06003=ALPINE 06005=AMADOR 06007=BUTTE 06009=CALAVERAS 06011=COLUSA 06013=CONTRA COSTA 06015=DEL NORTE 06017=EL DORADO 06019=FRESNO 06021=GLENN 06023=HUMBOLDT 06025=IMPERIAL 06027=INYO 06029=KERN 06031=KINGS 06033=LAKE 06035=LASSEN 06037=LOS ANGELES 06039=MADERA 06041=MARIN 06043=MARIPOSA 06045=MENDOCINO 06047=MERCED 06049=MODOC 06051=MONO 06053=MONTEREY 06055=NAPA 06057=NEVADA 06059=ORANGE 06061=PLACER 06063=PLUMAS 06065=RIVERSIDE 06067=SACRAMENTO 06069=SAN BENITO 06071=SAN BERNARDINO 06073=SAN DIEGO 06075=SAN FRANCISCO 06077=SAN JOAQUIN 06079=SAN LUIS OBISPO 06081=SAN MATEO 06083=SANTA BARBARA 06085=SANTA CLARA 06087=SANTA CRUZ 06089=SHASTA 06091=SIERRA 06093=SISKIYOU 06095=SOLANO 06097=SONOMA 06099=STANISLAUS	

		06101=SUTTER 06103=TEHAMA 06105=TRINITY 06107=TULARE 06109=TUOLUMNE 06111=VENTURA 06113=YOLO 06115=YUBA	
		1=Alpine 2=Amador 3=AMBAG 4=Butte 5=Calaveras 6=Colusa 7=Del Norte 8=Fresno 9=Glenn 10=Humboldt 11=Inyo 12=Kern 13=Kings 14=Lake 15=Lassen 16=Madera 17=Mariposa 18=Mendocino 19=Merced 20=Modoc 21=Mono 22=MTC 23=Nevada 24=Plumas 25=SACOG 26=San Joaquin 27=San Luis Obispo 28=SANDAG 29=Santa Barbara 30=SCAG 31=Shasta 32=Sierra 33=Siskiyou 34=Stanislaus 35=Tehama 36=TMPO 37=Trinity 38=Tulare 39=Tuolumne	
AREA	MPO		
STRATA	STRATA		
STYPE	Sample Type	1=Matched 2=Unmatched	
CEC	CEC sample flag	1=CEC-DMV 2=CEC-UC Davis	
GTYPE	GPS Sample Type	1=GPS SAMPLE 2=Non-GPS SAMPLE 3=REFUSED or DQ from GPS	
GFLAG	GPS Type	1=Wearable 2=In-Vehicle 3=In-Vehicle OBD	<b>GTYPE=1</b>
RIBUS	Transit Use At Least Once Per Week	1=Yes 2=No 8=DK 9=RF	
HHVEH	Number of Household Vehicle	RANGE: 0-15 98=DK 99=RF	
HHBIC	Number of Household Bicycle	RANGE: 0-15 98=DK	

		99=RF	
VEHNEW	New vehicle	1=Yes 2=No 8=DK 9=RF	
BUYER1	Buyer	1=Self/Respondent 2=Spouse/Partner 3=Child/Daughter/Son/Adopted Child/Stepchild/Son-in-law/Daughter-in-law 8=Other relatives 9=No relation/Housemate/Roommate/Foster Child 98=DK 99=RF	VEHNEW=1
BUYER2	Buyer	1=Self/Respondent 2=Spouse/Partner 3=Child/Daughter/Son/Adopted Child/Stepchild/Son-in-law/Daughter-in-law 8=Other relatives 9=No relation/Housemate/Roommate/Foster Child 98=DK 99=RF	VEHNEW=1
BUYER3	Buyer	1=Self/Respondent 2=Spouse/Partner 3=Child/Daughter/Son/Adopted Child/Stepchild/Son-in-law/Daughter-in-law 8=Other relatives 9=No relation/Housemate/Roommate/Foster Child 98=DK 99=RF	VEHNEW=1
BUYER4	Buyer	1=Self/Respondent 2=Spouse/Partner 3=Child/Daughter/Son/Adopted Child/Stepchild/Son-in-law/Daughter-in-law 8=Other relatives 9=No relation/Housemate/Roommate/Foster Child 98=DK 99=RF	VEHNEW=1
BUYER5	Buyer	1=Self/Respondent 2=Spouse/Partner 3=Child/Daughter/Son/Adopted Child/Stepchild/Son-in-law/Daughter-in-law 8=Other relatives 9=No relation/Housemate/Roommate/Foster Child 98=DK 99=RF	VEHNEW=1
BUYER6	Buyer	1=Self/Respondent 2=Spouse/Partner 3=Child/Daughter/Son/Adopted Child/Stepchild/Son-in-law/Daughter-in-law 8=Other relatives 9=No relation/Housemate/Roommate/Foster Child 98=DK 99=RF	VEHNEW=1
BUYER7	Buyer	1=Self/Respondent 2=Spouse/Partner 3=Child/Daughter/Son/Adopted Child/Stepchild/Son-in-law/Daughter-in-law 8=Other relatives 9=No relation/Housemate/Roommate/Foster Child 98=DK 99=RF	VEHNEW=1
BUYER8	Buyer	1=Self/Respondent 2=Spouse/Partner 3=Child/Daughter/Son/Adopted Child/Stepchild/Son-in-law/Daughter-in-law 8=Other relatives 9=No relation/Housemate/Roommate/Foster Child	VEHNEW=1

		98=DK 99=RF	
RESTY	Residence Type	01=Single family house not attached to any other house 02=Single family house attached to one or more houses (townhouse, duplex, triplex) each with separate entry 03=A mobile home 04=Building with 2-4 apartments/ condos / studios /rooms 05=Building with 5-19 apartments/ condos / studios / rooms 06=Building with 20 or more apartments/ condos / studios / rooms[NOTE TO INTERVIEWERS: includes dorms, etc.] 07=Boat, RV, Van, etc. 97=Other specify 98=DK 99=RF	
O_RESTY	Description of home-OTHER		<b>RESTY=97</b>
OWN	Home Ownership	1=Own/Buying (Paying off Mortgage) 2=Rent 7=Other, specify 8=DK 9=RF	
O_OWN	Home ownership-other		<b>OWN=7</b>
TEN	TENURE	RANGE: 1-97 98=DK 99=RF	
PREVADDR	Previous address		<b>TEN&lt;6</b>
PREVSUIT	Previous suit		<b>TEN&lt;6</b>
PREVCITY	Previous address city		<b>TEN&lt;6</b>
PREVSTAT	Previous address state		<b>TEN&lt;6</b>
PREVZIP	Previous address zipcode		<b>TEN&lt;6</b>
PHLNS	Number of land line phones	RANGE: 0-15 98=DK 99=RF	
INCOM	Household income	1=\$0 to \$9,999 2=\$10,000 to \$24,999 3=\$25,000 to \$34,999 4=\$35,000 to \$49,999 5=\$50,000 to \$74,999 6=\$75,000 to \$99,999 7=\$100,000 to \$149,999 8=\$150,000 to \$199,999 9=\$200,000 to \$249,999 10=\$250,000 or more 98=DK 99=RF	
HHSIZ	Household Size	RANGE: 1-15 98=DK 99=RF	
NONRELAT	Non-related Household Flag	1=Yes	
HHEMP	Number of Household Workers		
HHSTU	Number of Household Students		
HHLIC	Number of Household Driver Licence Holders		
RECDate	Recruitment Date		
ASSN	Assigned Travel Date		
DOW	Assigned Travel Day	1=Monday 2=Tuesday 3=Wednesday 4=hursday 5=Friday 6=Saturday	

		7=Sunday	
HTRIPS	Number of Household Trips on Travel Day		
HCITY	Home city		
HZIP	Home zip		
HSTAT	Home state		
HXCORD	Home x-coordinate		
HYCORD	Home y-coordinate		
HHNOV1	Reason of no possession of a vehicle1	1=Do not need a car - can do what I need and want to without a motor vehicle 2=Too expensive to buy 3=Too expensive to maintain (gas/insurance/repairs) 4=Health/age related reasons 5=Cannot get insurance 6=Concerned about impact on environment 7=Get rides from other people 8=No place to park 9=USE PUBLIC TRANSIT/CAR SHARE/BIKE/WALK - HHBIC 10=NO DRIVER'S LICENSE – HHBIC 11=CANNOT DRIVE - HHBIC 12=OTHER - HHBIC 98=DK 99=RF	HHVEH=0
HHNOV2	Reason of no possession of a vehicle2	1=Do not need a car - can do what I need and want to without a motor vehicle 2=Too expensive to buy 3=Too expensive to maintain (gas/insurance/repairs) 4=Health/age related reasons 5=Cannot get insurance 6=Concerned about impact on environment 7=Get rides from other people 8=No place to park 9=USE PUBLIC TRANSIT/CAR SHARE/BIKE/WALK - HHBIC 10=NO DRIVER'S LICENSE – HHBIC 11=CANNOT DRIVE - HHBIC 12=OTHER - HHBIC 98=DK 99=RF	HHVEH=0
HHNOV3	Reason of no possession of a vehicle3	1=Do not need a car - can do what I need and want to without a motor vehicle 2=Too expensive to buy 3=Too expensive to maintain (gas/insurance/repairs) 4=Health/age related reasons 5=Cannot get insurance 6=Concerned about impact on environment 7=Get rides from other people 8=No place to park 9=USE PUBLIC TRANSIT/CAR SHARE/BIKE/WALK - HHBIC 10=NO DRIVER'S LICENSE – HHBIC 11=CANNOT DRIVE - HHBIC 12=OTHER - HHBIC 98=DK 99=RF	HHVEH=0
HHNOV4	Reason of no possession of a vehicle4	1=Do not need a car - can do what I need and want to without a motor vehicle 2=Too expensive to buy 3=Too expensive to maintain (gas/insurance/repairs) 4=Health/age related reasons 5=Cannot get insurance 6=Concerned about impact on environment 7=Get rides from other people 8=No place to park 9=USE PUBLIC TRANSIT/CAR SHARE/BIKE/WALK - HHBIC 10=NO DRIVER'S LICENSE – HHBIC 11=CANNOT DRIVE - HHBIC 12=OTHER - HHBIC	HHVEH=0



		98=DK 99=RF	
HHNOV5	Reason of no possession of a vehicle5	1=Do not need a car - can do what I need and want to without a motor vehicle 2=Too expensive to buy 3=Too expensive to maintain (gas/insurance/repairs) 4=Health/age related reasons 5=Cannot get insurance 6=Concerned about impact on environment 7=Get rides from other people 8=No place to park 9=USE PUBLIC TRANSIT/CAR SHARE/BIKE/WALK - HHBIC 10=NO DRIVER'S LICENSE - HHBIC 11=CANNOT DRIVE - HHBIC 12=OTHER - HHBIC 98=DK 99=RF	HHVEH=0
HHNOV6	Reason of no possession of a vehicle6	1=Do not need a car - can do what I need and want to without a motor vehicle 2=Too expensive to buy 3=Too expensive to maintain (gas/insurance/repairs) 4=Health/age related reasons 5=Cannot get insurance 6=Concerned about impact on environment 7=Get rides from other people 8=No place to park 9=USE PUBLIC TRANSIT/CAR SHARE/BIKE/WALK - HHBIC 10=NO DRIVER'S LICENSE - HHBIC 11=CANNOT DRIVE - HHBIC 12=OTHER - HHBIC 98=DK 99=RF	HHVEH=0
HHNOV7	Reason of no possession of a vehicle7	1=Do not need a car - can do what I need and want to without a motor vehicle 2=Too expensive to buy 3=Too expensive to maintain (gas/insurance/repairs) 4=Health/age related reasons 5=Cannot get insurance 6=Concerned about impact on environment 7=Get rides from other people 8=No place to park 9=USE PUBLIC TRANSIT/CAR SHARE/BIKE/WALK - HHBIC 10=NO DRIVER'S LICENSE - HHBIC 11=CANNOT DRIVE - HHBIC 12=OTHER - HHBIC 98=DK 99=RF	HHVEH=0
HHNOV8	Reason of no possession of a vehicle8	1=Do not need a car - can do what I need and want to without a motor vehicle 2=Too expensive to buy 3=Too expensive to maintain (gas/insurance/repairs) 4=Health/age related reasons 5=Cannot get insurance 6=Concerned about impact on environment 7=Get rides from other people 8=No place to park 9=USE PUBLIC TRANSIT/CAR SHARE/BIKE/WALK - HHBIC 10=NO DRIVER'S LICENSE - HHBIC 11=CANNOT DRIVE - HHBIC 12=OTHER - HHBIC 98=DK 99=RF	HHVEH=0
VEHOP	Number of operational household vehicle	RANGE: 0-15 98=DK 99=RF	HHVEH>0
VEHPR	Number of Vehicles with Power Outlet	RANGE: 0-15 98=DK	VEHOP > 0 and GFLAG=2, 3

		99=RF	
VEDTE	NUMBER OF NEWER VEHICLES WITH POWER OUTLET	RANGE: 0-15	VEHPR>0 and GFLAG=3
FUTUR	Willingness to Participate in Future Study	1=YES 2=NO	
CMPLD	Complete Long Distance Log	1=YES (COMPLETED) 2=NO (NOT COMPLETED) 3=DID NOT RECEIVE LOG 8=DK 9=RF	
LDPER1	HH member who completed LD log	RANGE: 1-8 98=DK 99=RF	CMPLD=1
LDPER2	HH member who completed LD log	RANGE: 1-8 98=DK 99=RF	CMPLD=1
LDPER3	HH member who completed LD log	RANGE: 1-8 98=DK 99=RF	CMPLD=1
LDPER4	HH member who completed LD log	RANGE: 1-8 98=DK 99=RF	CMPLD=1
LDPER5	HH member who completed LD log	RANGE: 1-8 98=DK 99=RF	CMPLD=1
LDPER6	HH member who completed LD log	RANGE: 1-8 98=DK 99=RF	CMPLD=1
LDPER7	HH member who completed LD log	RANGE: 1-8 98=DK 99=RF	CMPLD=1
LDPER8	HH member who completed LD log	RANGE: 1-8 98=DK 99=RF	CMPLD=1
LDTRP	Last eight weeks	1=TRIPS TO REPORT 2=NO LONG DISTANCE TRIPS 8=DON'T KNOW 9=REFUSE	
LDFlag	Flag for household who reported LD trip	1=Yes	LDTRP>0
HPFlag	Hispanic household flag	1=YES 2=NO	
HH_Complete	Household Complete Flag	1=Complete (All household members reported travel) 2=Valid Partial Complete (Large HH in N-1 rule)	
GPS_Complete	Household Complete Flag	1=It was GPS assigned sample and completed GPS 2=Valid Partial Complete (Large HH in N-1 rule)	
HTRACT	Home location census tract ID 2010		
HPrimaryCity	Home location - primary city		
HHWGT	Final household weight		
EXPHHWGT	Final expanded household weight		
<b>Person (Table Name : Deliv_PER)</b>			
<b>VAR NAME</b>	<b>Variable Description</b>	<b>VALUES</b>	<b>CONDITIONS</b>
SAMPN	Sample Number		
PERNO	Person Number		
RELAT	Relationship to Head of House	1=Self 2=Spouse/Partner 3=Child/Daughter/Son/Adopted child/Stepchild/Son-in-law/Daughter-in-law 4=Parent/Parent in-law/Step-Parent 5=Brother or sister (stepbrother/stepsister)	

		6=Grandparent 7=Grandchild 8=OTHER RELATIVE 9=NO RELATION/HOUSEMATE/ROOMMATE/FOSTER CHILD 99=RF	
GEND	Gender	1=MALE 2=FEMALE 9=RF	
AGE	Age	RANGE: 0-98 99=99 years old or older 998=DK 999=RF	
AGEB	Age if refused	1=Younger than 16 or over 75 2=Between 16 and 75 8=DK 9=RF	<b>AGE=999, 998</b>
HISP	HISPANIC OR LATINO	1=YES 2=NO 8=DK 9=RF	
RACE1	ETHNICITY OR RACE	1=White 2=Black or African American 3=American Indian or Alaska Native 4=Asian (Asian Indian, Japanese, Chinese, Korean, Filipino, Vietnamese) 5=Native Hawaiian or Pacific Islander (Guamanian, Samoan, Fijian) 97=Other, specify 98=DK 99=RF	
RACE2	ETHNICITY OR RACE	1=White 2=Black or African American 3=American Indian or Alaska Native 4=Asian (Asian Indian, Japanese, Chinese, Korean, Filipino, Vietnamese) 5=Native Hawaiian or Pacific Islander (Guamanian, Samoan, Fijian) 97=Other, specify 98=DK 99=RF	
RACE3	ETHNICITY OR RACE	1=White 2=Black or African American 3=American Indian or Alaska Native 4=Asian (Asian Indian, Japanese, Chinese, Korean, Filipino, Vietnamese) 5=Native Hawaiian or Pacific Islander (Guamanian, Samoan, Fijian) 97=Other, specify 98=DK 99=RF	
RACE4	ETHNICITY OR RACE	1=White 2=Black or African American 3=American Indian or Alaska Native 4=Asian (Asian Indian, Japanese, Chinese, Korean, Filipino, Vietnamese) 5=Native Hawaiian or Pacific Islander (Guamanian, Samoan, Fijian) 97=Other, specify 98=DK 99=RF	
O_RACE	ETHNICITY OR RACE, other		<b>RACE =97</b>
NTVTY	NATIVITY	1=Yes 2=No 8=DK 9=RF	

CNTRY	COUNTRY OF BIRTH	RANGE: 1900 - 2012 9998=DK 9999=RF	NTVTY<>1
LIC	Valid license	1=YES 2=NO 8=DK 9=RF	AGE >15 and AGE<998 or AGE<>1
USER	Vehicle driven by Respondent	RANGE: 1-15 98=DK 99=RF	VEHOP>0 and LIC=1
TRANS	Transit pass	1=YES 2=NO 8=DK 9=RF	AGE >15 and AGE<998 or AGE<>1
TPTYP1	Type of transit pass	1=Bay Area Clipper Card →CLIP 2=San Diego Compass Card→COMP 3=TAP Card or EZ transit Pass→MET 4=Other local bus pass 5=Other Express / Commuter bus pass 6=Other Light Rail / Subway / Train / Streetcar pass 7=Dial-a-ride/paratransit pass 8=Ferry/boat pass 97=Other, specify 98=DK 99=RF	TRANS=1
TPTYP2	Type of transit pass	1=Bay Area Clipper Card →CLIP 2=San Diego Compass Card→COMP 3=TAP Card or EZ transit Pass→MET 4=Other local bus pass 5=Other Express / Commuter bus pass 6=Other Light Rail / Subway / Train / Streetcar pass 7=Dial-a-ride/paratransit pass 8=Ferry/boat pass 97=Other, specify 98=DK 99=RF	TRANS=1
TPTYP3	Type of transit pass	1=Bay Area Clipper Card →CLIP 2=San Diego Compass Card→COMP 3=TAP Card or EZ transit Pass→MET 4=Other local bus pass 5=Other Express / Commuter bus pass 6=Other Light Rail / Subway / Train / Streetcar pass 7=Dial-a-ride/paratransit pass 8=Ferry/boat pass 97=Other, specify 98=DK 99=RF	TRANS=1
TPTYP4	Type of transit pass	1=Bay Area Clipper Card →CLIP 2=San Diego Compass Card→COMP 3=TAP Card or EZ transit Pass→MET 4=Other local bus pass 5=Other Express / Commuter bus pass 6=Other Light Rail / Subway / Train / Streetcar pass 7=Dial-a-ride/paratransit pass 8=Ferry/boat pass 97=Other, specify 98=DK 99=RF	TRANS=1
TPTYP5	Type of transit pass	1=Bay Area Clipper Card →CLIP 2=San Diego Compass Card→COMP 3=TAP Card or EZ transit Pass→MET 4=Other local bus pass 5=Other Express / Commuter bus pass 6=Other Light Rail / Subway / Train / Streetcar pass 7=Dial-a-ride/paratransit pass 8=Ferry/boat pass 97=Other, specify	TRANS=1

		98=DK 99=RF	
TPTYP6	Type of transit pass	1=Bay Area Clipper Card →CLIP 2=San Diego Compass Card→COMP 3=TAP Card or EZ transit Pass→MET 4=Other local bus pass 5=Other Express / Commuter bus pass 6=Other Light Rail / Subway / Train / Streetcar pass 7=Dial-a-ride/paratransit pass 8=Ferry/boat pass 97=Other, specify 98=DK 99=RF	TRANS=1
TPTYP7	Type of transit pass	1=Bay Area Clipper Card →CLIP 2=San Diego Compass Card→COMP 3=TAP Card or EZ transit Pass→MET 4=Other local bus pass 5=Other Express / Commuter bus pass 6=Other Light Rail / Subway / Train / Streetcar pass 7=Dial-a-ride/paratransit pass 8=Ferry/boat pass 97=Other, specify 98=DK 99=RF	TRANS=1
O_TPTYP	Type of transit pass, other		TPTYP=97
CLIP1	Type of Clipper Card	1=CASH VALUE 2=AC TRANSIT - ADULT 31-DAY LOCAL PASS 3=AC TRANSIT – ADULT 31-DAY TRANSBAY PASS 4=AC TRANSIT – SENIOR/RTC LOCAL MONTHLY PASS 5=AC TRANSIT – YOUTH 31-DAY LOCAL PASS 6=BART - \$48 HIGH VALUE DISCOUNT 7=BART - \$64 HIGH VALUE DISCOUNT CARD 8=CALTRAIN – ADULT MONTHLY PASS 9=CALTRAIN – ADULT MONTHLY AND MUNI PASS 10=CALTRAIN – ADULT 8-RIDE TICKET 11=CALTRAIN – ELIGIBLE DISCOUNT MONTHLY PASS 12=CALTRAIN – ELIGIBLE DISCOUNT 8-RIDE TICKET 13=SF MUNI – ADULT MUNI/BART “A” FAST PASS 14=SF MUNI - ADULT MUNI ONLY “M” MONTHLY PASS 15 =SF MUNI – ADULT 10-RIDE BOOK 16=SF MUNI – SENIOR MONTHLY PASS 17=SF MUNI – DISABLED MONTHLY PASS 18=SF MUNI – YOUTH MONTHLY PASS 19=SAMTRANS – ADULT LOCAL MONTHLY PASS 20=SAMTRANS – ADULT LOCAL/SF MONTHLY PASS 21=SAMTRANS – ADULT EXPRESS MONTHLY PASS 22=SAMTRANS – ELIGIBLE DISCOUNT MONTHLY PASS 23=SAMTRANS – YOUTH MONTHLY PASS 24=VTA – ADULT MONTHLY PASS 25=VTA – EXPRESS ADULT MONTHLY PASS 26= VTA – SENIOR/RTC MONTHLY PASS 27=VTA – YOUTH MONTHLY PASS 98=DK 99=RF	TPTYP=1
CLIP2	Type of Clipper Card	1=CASH VALUE 2=AC TRANSIT - ADULT 31-DAY LOCAL PASS 3=AC TRANSIT – ADULT 31-DAY TRANSBAY PASS 4=AC TRANSIT – SENIOR/RTC LOCAL MONTHLY PASS 5=AC TRANSIT – YOUTH 31-DAY LOCAL PASS 6=BART - \$48 HIGH VALUE DISCOUNT 7=BART - \$64 HIGH VALUE DISCOUNT CARD 8=CALTRAIN – ADULT MONTHLY PASS 9=CALTRAIN – ADULT MONTHLY AND MUNI PASS 10=CALTRAIN – ADULT 8-RIDE TICKET 11=CALTRAIN – ELIGIBLE DISCOUNT MONTHLY PASS 12=CALTRAIN – ELIGIBLE DISCOUNT 8-RIDE TICKET	TPTYP=1

		13=SF MUNI – ADULT MUNI/BART “A” FAST PASS 14=SF MUNI - ADULT MUNI ONLY “M” MONTHLY PASS 15 =SF MUNI – ADULT 10-RIDE BOOK 16=SF MUNI – SENIOR MONTHLY PASS 17=SF MUNI – DISABLED MONTHLY PASS 18=SF MUNI – YOUTH MONTHLY PASS 19=SAMTRANS – ADULT LOCAL MONTHLY PASS 20=SAMTRANS – ADULT LOCAL/SF MONTHLY PASS 21=SAMTRANS – ADULT EXPRESS MONTHLY PASS 22=SAMTRANS – ELIGIBLE DISCOUNT MONTHLY PASS 23=SAMTRANS – YOUTH MONTHLY PASS 24=VTA – ADULT MONTHLY PASS 25=VTA – EXPRESS ADULT MONTHLY PASS 26= VTA – SENIOR/RTC MONTHLY PASS 27=VTA – YOUTH MONTHLY PASS 98=DK 99=RF	
CLIP3	Type of Clipper Card	1=CASH VALUE 2=AC TRANSIT - ADULT 31-DAY LOCAL PASS 3=AC TRANSIT – ADULT 31-DAY TRANSBAY PASS 4=AC TRANSIT – SENIOR/RTC LOCAL MONTHLY PASS 5=AC TRANSIT – YOUTH 31-DAY LOCAL PASS 6=BART - \$48 HIGH VALUE DISCOUNT 7=BART - \$64 HIGH VALUE DISCOUNT CARD 8=CALTRAIN – ADULT MONTHLY PASS 9=CALTRAIN – ADULT MONTHLY AND MUNI PASS 10=CALTRAIN – ADULT 8-RIDE TICKET 11=CALTRAIN – ELIGIBLE DISCOUNT MONTHLY PASS 12=CALTRAIN – ELIGIBLE DISCOUNT 8-RIDE TICKET 13=SF MUNI – ADULT MUNI/BART “A” FAST PASS 14=SF MUNI - ADULT MUNI ONLY “M” MONTHLY PASS 15 =SF MUNI – ADULT 10-RIDE BOOK 16=SF MUNI – SENIOR MONTHLY PASS 17=SF MUNI – DISABLED MONTHLY PASS 18=SF MUNI – YOUTH MONTHLY PASS 19=SAMTRANS – ADULT LOCAL MONTHLY PASS 20=SAMTRANS – ADULT LOCAL/SF MONTHLY PASS 21=SAMTRANS – ADULT EXPRESS MONTHLY PASS 22=SAMTRANS – ELIGIBLE DISCOUNT MONTHLY PASS 23=SAMTRANS – YOUTH MONTHLY PASS 24=VTA – ADULT MONTHLY PASS 25=VTA – EXPRESS ADULT MONTHLY PASS 26= VTA – SENIOR/RTC MONTHLY PASS 27=VTA – YOUTH MONTHLY PASS 98=DK 99=RF	TPTYP=1
COMP	Type of Compass Card	1=REGIONAL MONTHLY PASS - ADULT 2=REGIONAL MONTHLY PASS - YOUTH 3=REGIONAL MONTHLY PASS – SENIOR/DISABLED/MEDICARE 4=PREMIUM EXPRESS MONTHLY PASS – ADULT 5=PREMIUM EXPRESS MONTHLY PASS – YOUTH 6=PREMIUM EXPRESS MONTHLY PASS – SENIOR/DISABLED/MEDICARE 7=COASTER 1 ZONE MONTHLY PASS 8=COASTER 2 ZONE MONTHLY PASS 9=COASTER 3 ZONE MONTHLY PASS 10=COASTER MONTHLY PASS – YOUTH 11=COASTER MONTHLY PASS – SENIOR/DISABLED/MEDICARE 12=SPRINTER/BREEZE MONTHLY PASS 98=DK 99=RF	TPTYP=2
MET	Type of TAP/EZ Pass Card	1=30-DAY PASS 2=7-DAY PASS 3=EZ TRANSIT PASS 4=FREEWAY EXPRESS STAMP	TPTYP=3

		5=TAP STORED VALUE 98=DK 99=RF	
PASSTL	Toll Pass	1=Yes 2=No 8=DK 9=RF	AGE >15 and AGE<998 or AGEB<>1
FLEX	Car Sharing	1=Yes 2=No 8=DK 9=RF	AGE >15 and AGE<998 or AGEB<>1
EMPLY	Employed?	1=Yes 2=No 8=DK 9=RF	AGE >15 and AGE<998 or AGEB<>1
WKSTAT	Employment status	1=Retired, 2=Disabled / On Disability Status 3=Homemaker, 4=Unemployed but looking for work, 5=Unemployed and not looking for work 6=Student 7=Volunteer 97=OTHER (specify) 98=DK 99=RF	EMPLY<>1
O_WKSTAT	Employment status		WKSTAT=97
WLOC	Work Location	1=Fixed 2=Home 3=No fixed workplace, varies 8=DK 9=RF	EMPLY=1
JOBS	How many jobs	RANGE: 0-15 98=DK 99=RF	EMPLY=1
WNAME	PrimaryWork name		EMPLY=1 and WLOC<>2
WCITY	Primary Work City		EMPLY=1 and WLOC<>2
WZIP	Primary Work Zip		EMPLY=1 and WLOC<>2
WSTAT	Primary Work State	NA=Not Applicable/Out of the country	EMPLY=1 and WLOC<>2
WXST1	Primary Work Cross Street1		EMPLY=1 and WLOC<>2 and WADDR is null
WXST2	Primary Work Cross Street2		EMPLY=1 and WLOC<>2 and WADDR is null
WXCORD	Primary Work X-coordinates		EMPLY=1 and WLOC<>2
WYCORD	Primary Work Y-coordinates		EMPLY=1 and WLOC<>2
WDAYS	Days at Primary work	RANGE: 1-7 8=DK 9=RF	EMPLY=1
WDAY1	Work Days	1=Monday 2=Tuesday 3=Wednesday 4=Thursday 5=Friday 6=Saturday 7=Sunday 8=Monday - Friday 98=DK 99=RF	EMPLY=1
WDAY2	Work Days	1=Monday 2=Tuesday 3=Wednesday 4=Thursday 5=Friday 6=Saturday	EMPLY=1

		7=Sunday 8=Monday - Friday 98=DK 99=RF	
WDAY3	Work Days	1=Monday 2=Tuesday 3=Wednesday 4=Thursday 5=Friday 6=Saturday 7=Sunday 8=Monday - Friday 98=DK 99=RF	EMPTY=1
WDAY4	Work Days	1=Monday 2=Tuesday 3=Wednesday 4=Thursday 5=Friday 6=Saturday 7=Sunday 8=Monday - Friday 98=DK 99=RF	EMPTY=1
WDAY5	Work Days	1=Monday 2=Tuesday 3=Wednesday 4=Thursday 5=Friday 6=Saturday 7=Sunday 8=Monday - Friday 98=DK 99=RF	EMPTY=1
WDAY6	Work Days	1=Monday 2=Tuesday 3=Wednesday 4=Thursday 5=Friday 6=Saturday 7=Sunday 8=Monday - Friday 98=DK 99=RF	EMPTY=1
WDAY7	Work Days	1=Monday 2=Tuesday 3=Wednesday 4=Thursday 5=Friday 6=Saturday 7=Sunday 8=Monday - Friday 98=DK 99=RF	EMPTY=1
HOURS	Hours work per week	RANGE: 1-150 998=DK 999=RF	EMPTY=1
WSCHED	Flexible work schedule	1=I have no flexibility in my work schedule 2=I have some flexibility in my work schedule 3=I'm pretty much free to adjust my schedule as I like 8=DK 9=RF	EMPTY=1
COMPR	Flexible programs offered	1=Yes 2=No 8=DK 9=RF	EMPTY=1 and WSCHED < 4
WMODE	Work mode	1=Walk	EMPTY=1 and WLOC<>2



		<p>2=Bike  3=Wheelchair / Mobility Scooter  4=Other Non-Motorized  5=Auto / Van / Truck Driver  6=Auto / Van / Truck Passenger  7=Carpool / Vanpool  8=Motorcycle / Scooter / Moped  9=Taxi / Hired Car / Limo  10=Rental Car/Vehicle  11=Private shuttle (SuperShuttle, employer, hotel, etc.)  12=Greyhound Bus  13=Plane  14=Other Private Transit  15=Local Bus, Rapid Bus  16=Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc)  17=Premium Bus ( Metro Orange / Silver Line )  18=School Bus  19=Public Transit Shuttle (DASH, Emery Go Round, etc.)  20=AirBART / LAX FlyAway  21=Dial-a-Ride / Paratransit (Access Services, etc.)  22=Amtrak Bus  23=Other Bus  24=BART, Metro Red / Purple Line  25=ACE, Amtrak, Caltrain, Coaster, Metrolink  26=Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail  27=Street Car / Cable Car  28=Other Rail  29=Ferry / Boat  99=RF</p>	
INDUS	Industry	<p>11=Agriculture, Farming, Forestry, Fishing, Hunting  21=Mining, Quarrying, Oil or Gas Drilling Company  22=Utility Company, Sewage Treatment Facility, Utilities in General  23=Construction  31=Manufacturing, Including Bakery, Food Processor, Mill, Manufacturer, Machine Shop, Medical Biotechnology  42=Wholesale Trade  44=Retail Trade, Including Store, Shop, Dealer (E.G. Auto Dealer)  48=Transportation, Bus or Train Company, Airline, Postal Service, Warehouse or Storage  51=Information, Including Publisher, Phone Company, Movie Company, Internet Company, Library, Data Processing, Computer Company  52=Finance and Insurance such as Bank, Insurance Company, Credit Union, Finance Company  53=Real Estate Company, Any Rental or Leasing Company Including Auto or Video Rental  54=Professional Scientific or Technical Services, Including Law, Accounting, Design, Engineering, Consulting or Advertising, Firm or Company, and Veterinary Services, Management of Companies and Enterprises  55=MANAGEMENT OF COMPANIES AND ENTERPRISES  56=Administrative Support, Including Employment Agency, Travel Agency, Security Guard Company, Waste Management (Trash) Company, Remediation Services  61=Educational Services, Including School, University, Training School  62=Health Care and Social Assistance, Including Hospital, Docotors Office, Assisted Living Home, Day Care Center  71=Arts, Entertainment and Recreation, Including Art Gallery, Museum, Theatre, Bowling Alley, Casino  72=Accomodation or Food Services, Including Hotel, Restaurant  81=Other Services (Except Public Administration) such as</p>	EMPLY=1

		Auto Repair, Hair or Nail Salon, Barber Shop, Funeral Home, Labor Union 92=Public Administration, such as Government Agency, City or County Department, Military 97=Other, specify 98=DK 99=RF	
O_INDUS	Industry, Other		INDUS=97
OCCUP	Occupation	11=Management Occupations, such as President, CEO, Manager, Director 13=Business and Financial Operations Occupants, such as Management Analyst, Research Analyst, Agent, Accountant 15=Computer and Mathematical Occupations, such as Computer Programmer, Web Developer, Statistician 17=Architecture and Engineering Occupations, such as Architect, Engineer, Drafter, Surveyor 19=Life, Physical, and Social Science Occupations, such as Scientist, Survey Research, Psychologist, Science Technician 21=Community and Social Service Occupations, such as Counselor, Clergy, Social Worker, Probation Officer 23=Legal Occupations, such as Lawyer, Law Clerk, Paralegal 25=Education, Training and Library Occupations, such as Teacher, College Professor, Librarian, Teacher Assistant 27=Arts, Design, Entertainment, Sports and Media Occupations, such as Professional Athlete, Writer, Camera Operator 29=Healthcare Practitioners and Technical Occupations, including MD, RN, LVN, Dentist, Veterinarian, Licensed Technician, Therapist 31=Healthcare Support Occupations, such as Health Aide, Nursing Assistant, Massage Therapist 33=Protective Service Occupations, such as Correctional Officer, Police Officer, Firefighter, Security Guard, Crossing Guard, Security Screener, Lifeguard 35=Food Preparation and Serving Related Occupations, such as Cook, Waiter/Waitress, Bartender, Food Server, Dishwasher 37=Building and Grounds Cleaning and Maintenance Operations, such as Janitor, Maid, Housekeeper, Gardener 39=Personal Care and Service Occupations, such as Hairdresser, Tour Guide, Childcare Worker, Card Dealer 41=Sales and Related Occupations, such as Cashier, Sales Clerk, Sales Agent, Real Estate Broker 43=Office and Administrative Support Occupations, such as Bank Teller, Office Clerk, Account Clerk, Postal Service Clerk, Data Entry Clerk, Secretary, Administrative Assistant 45=Farming, Fishing, and Forestry Occupations, including Farmer, Field Worker, Animal Trainer/Breeder 47=Construction and Extraction Occupations, including Electrician, Carpenter, Painter, Construction Equipment Operator, Miner, Driller, Explosive Worker, Etc. 49=Installation, Maintenance, and Repair Occupations, such as Repairer, Mechanic, Equipment Installer 51=Production Occupations, such as Assembler, Baker, Machinist, Lab Technician (Medical, Dental, and Ophthalmic), Jeweler 53=Transportation and Material Moving Occupations, such as Bus or Taxi Driver, Truck Driver, Crane Operator, Ship Loader 55=Military Specific Occupations 97=Other: (Specify) 98=DK 99=RF	EMPLY=1
O_OCCUP	Occupation, Other		OCCUP=97

WLOC2	Work Location	1=Fixed 2=Home 3=No fixed workplace, varies 8=DK 9=RF	JOBS>1 and JOBS < 6
WNAME2	Secondary Work name		WLOC2<>2
WCITY2	Secondary Work City		WLOC2<>2
WZIP2	Secondary Work Zip		WLOC2<>2
WXST2_1	Secondary Work Cross Street1		WLOC2<>2 and WADDR2 is null
WXST2_2	Secondary Work Cross Street2		WLOC2<>2 and WADDR2 is null
WSTAT2	Secondary Work State	NA=Not Applicable/Out of the country	WLOC2<>2
WDAYS2	Days a secondary work	RANGE: 1-7 8=DK 9=RF	EMPLY=1 and JOBS>1 and JOBS < 6
DISAB	DISABILITY STATUS	1=Yes 2=No 8=DK 9=RF	
DTYPE1	Disability Type1	1=Hearing impaired/deaf (serious difficulty hearing) 2=Sight impaired/blind (includes difficulty seeing even when wearing glasses) 3=Cognitive impaired, such as serious difficulty concentrating, remembering or making decisions 4=Balance or respiratory impairment, such as difficulty walking or climbing stairs with difficulty 5=Difficulty dressing or bathing 6=Difficulty doing errands alone, such as visiting a doctor's office or shopping 97=Other, specify 98=DK 99=RF	DISAB=1
DTYPE2	Disability Type2	1=Hearing impaired/deaf (serious difficulty hearing) 2=Sight impaired/blind (includes difficulty seeing even when wearing glasses) 3=Cognitive impaired, such as serious difficulty concentrating, remembering or making decisions 4=Balance or respiratory impairment, such as difficulty walking or climbing stairs with difficulty 5=Difficulty dressing or bathing 6=Difficulty doing errands alone, such as visiting a doctor's office or shopping 97=Other, specify 98=DK 99=RF	DISAB=1
DTYPE3	Disability Type3	1=Hearing impaired/deaf (serious difficulty hearing) 2=Sight impaired/blind (includes difficulty seeing even when wearing glasses) 3=Cognitive impaired, such as serious difficulty concentrating, remembering or making decisions 4=Balance or respiratory impairment, such as difficulty walking or climbing stairs with difficulty 5=Difficulty dressing or bathing 6=Difficulty doing errands alone, such as visiting a doctor's office or shopping 97=Other, specify 98=DK 99=RF	DISAB=1
DTYPE4	Disability Type4	1=Hearing impaired/deaf (serious difficulty hearing) 2=Sight impaired/blind (includes difficulty seeing even when wearing glasses) 3=Cognitive impaired, such as serious difficulty concentrating, remembering or making decisions 4=Balance or respiratory impairment, such as difficulty walking or climbing stairs with difficulty	DISAB=1

		5=Difficulty dressing or bathing 6=Difficulty doing errands alone, such as visiting a doctor's office or shopping 97=Other, specify 98=DK 99=RF	
DTYPE5	Disability Type5	1=Hearing impaired/deaf (serious difficulty hearing) 2=Sight impaired/blind (includes difficulty seeing even when wearing glasses) 3=Cognitive impaired, such as serious difficulty concentrating, remembering or making decisions 4=Balance or respiratory impairment, such as difficulty walking or climbing stairs with difficulty 5=Difficulty dressing or bathing 6=Difficulty doing errands alone, such as visiting a doctor's office or shopping 97=Other, specify 98=DK 99=RF	<b>DISAB=1</b>
DTYPE6	Disability Type6	1=Hearing impaired/deaf (serious difficulty hearing) 2=Sight impaired/blind (includes difficulty seeing even when wearing glasses) 3=Cognitive impaired, such as serious difficulty concentrating, remembering or making decisions 4=Balance or respiratory impairment, such as difficulty walking or climbing stairs with difficulty 5=Difficulty dressing or bathing 6=Difficulty doing errands alone, such as visiting a doctor's office or shopping 97=Other, specify 98=DK 99=RF	<b>DISAB=1</b>
DTYPE7	Disability Type7	1=Hearing impaired/deaf (serious difficulty hearing) 2=Sight impaired/blind (includes difficulty seeing even when wearing glasses) 3=Cognitive impaired, such as serious difficulty concentrating, remembering or making decisions 4=Balance or respiratory impairment, such as difficulty walking or climbing stairs with difficulty 5=Difficulty dressing or bathing 6=Difficulty doing errands alone, such as visiting a doctor's office or shopping 97=Other, specify 98=DK 99=RF	<b>DISAB=1</b>
O_DTYPE	Other, Disability Type		<b>DTYPE=97</b>
DSLIC	Disabled license plate	1=Yes 2=No 8=DK 9=RF	<b>DISAB=1 and ( AGE &gt;15 and AGE&lt;998 or AGEB&lt;&gt;1)</b>
EDIS	Disabled transit registration	1=Yes 2=No 8=DK 9=RF	<b>DISAB=1</b>
TTRIP	Transit trips used in past week	RANGE:0-50 98=DK 99=RF	
TRNSUB	Transit Subsidy	1=Yes 2=No 8=DK 9=RF	<b>TTRIP &gt;0</b>
SUBAMT	Subsidized amount		<b>TRNSUB=1</b>
SUBUNT	fair unit	1=Per Hour 2=Per Day 3=Per Week 4=Per Month 5=Per Semester	<b>TRNSUB=1</b>

		6=Per Year 7=Other, specify 8=DK 9=RF	
O_SUBUNT	Other, fair unit		SUBUNT=7
WTRIP	Walk in the last week	RANGE: 0-50 98=DK 99=RF	
BTRIP	Bicycle in the last week	RANGE: 0-50 98=DK 99=RF	HHBIC>0
STUDE	Student	1=YES - Full Time 2=YES - Part Time 3=NO 8=DK 9=RF	
SCHOL	School grade level attends	1=DAYCARE 2=NURSERY SCHOOL, PRE-SCHOOL 3=KINDERGARTEN TO GRADE 8 4=GRADE 9 TO 12 5=TECHNICAL/VOCATIONAL SCHOOL 6=2-YEAR COLLEGE (COMMUNITY COLLEGE) 7=4-YEAR COLLEGE OR UNIVERSITY 8=GRADUATE SCHOOL/PROFESSIONAL 97=OTHER, SPECIFY 98=DK 99=RF	STUDE<3
O_SCHOL	School grade level attends. Other		SCHOL=97
SLOC	Home School	1=Yes 2=No 8=DK 9=RF	SCHOL>1 and SCHOL<5
SONLN	Online School	1=On campus only 2=Online only 3=Both on campus and online 8=DK 9=RF	SCHOL>4 and SCHOL<9
PRESCH	Pre-school location	1=Home of a relative/family member 2=Home of friend 3=Private daycare center 7=Other, specify 8=DK 9=RF	SCHOL=1
O_PRESCH	Pre-school location, other		PRESCH=7
SNAME	School name		STUDE<3 and (SLOC<>1 or SONLN<>2 or SLOC is null and SONLN is null)
SCITY	School City		STUDE<3 and (SLOC<>1 or SONLN<>2 or SLOC is null and SONLN is null)
SZIP	School Zip		STUDE<3 and (SLOC<>1 or SONLN<>2 or SLOC is null and SONLN is null)
SXST1	School Cross Streets		STUDE<3 and (SLOC<>1 or SONLN<>2 or SLOC is null and SONLN is null) and SADDR is null
SXST2	School Cross Streets		STUDE<3 and (SLOC<>1 or SONLN<>2 or SLOC is null and SONLN is null) and SADDR is null
SSTAT	School State	NA=Not Applicable/Out of the country	STUDE<3 and (SLOC<>1 or SONLN<>2 or SLOC is null and SONLN is null)
SXCORD	School X-coordinates		STUDE<3 and (SLOC<>1 or SONLN<>2 or SLOC is null and SONLN is null)
SYCORD	School Y-coordinates		STUDE<3 and (SLOC<>1 or SONLN<>2 or

			<b>SLOC is null and SONLN is null)</b>
SMODE	School mode	1=Walk 2=Bike 3=Wheelchair / Mobility Scooter 4=Other Non-Motorized 5=Auto / Van / Truck Driver 6=Auto / Van / Truck Passenger 7=Carpool / Vanpool 8=Motorcycle / Scooter / Moped 9=Taxi / Hired Car / Limo 10=Rental Car/Vehicle 11=Private shuttle (SuperShuttle, employer, hotel, etc.) 12=Greyhound Bus 13=Plane 14=Other Private Transit 15=Local Bus, Rapid Bus 16=Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc) 17=Premium Bus ( Metro Orange / Silver Line ) 18=School Bus 19=Public Transit Shuttle (DASH, Emery Go Round, etc.) 20=AirBART / LAX FlyAway 21=Dial-a-Ride / Paratransit (Access Services, etc.) 22=Amtrak Bus 23=Other Bus 24=BART, Metro Red / Purple Line 25=ACE, Amtrak, Caltrain, Coaster, Metrolink 26=Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail 27=Street Car / Cable Car 28=Other Rail 29=Ferry / Boat 99=RF	<b>STUDE&lt;3 and (SLOC&lt;&gt;1 or SONLN&lt;&gt;2 or SLOC is null and SONLN is null)</b>
EDUCA	Level of education completed	1=Not a high school graduate, 12 grade or less (THIS INCLUDES VERY YOUNG CHILDREN TOO) 2=High school graduate (high school diploma or GED) 3=Some college credit but no degree 4=Associate or technical school degree 5=Bachelor's or undergraduate degree 6=Graduate degree (includes professional degree like MD, DDs, JD) 7=OTHER, SPECIFY 8=DK 9=RF	
O_EDUCA	Level of education completed, other		<b>EDUCA=7</b>
INTRV	ARE YOU INTERVIEWING THIS PERSON?	1=YES 2=NO	<b>RETMODE=1, 2 and InComplete is null</b>
PROXY	WHICH PERSON SERVED AS PROXY?		<b>INTRV=2</b>
CMLPG	Now I'd like to talk about the trips [this person] recorded in the travel log we sent. Did [NAME] complete the travel log?	1=YES [COMPLETED] 2=NO [NOT COMPLETED] 3=DID NOT RECEIVE MATERIALS 8=DON'T KNOW 9=REFUSED	
HVLOG	Have diary to refer to	1=Yes 2=No 9=Prefer not to answer	<b>CMLPG=1</b>
PTRIPS	Person Trips		<b>InComplete is null</b>
TOLLF	Did you use a toll	1=Yes – Toll Road 2=Yes – Toll Bridge 3=No 8=Not sure 9=Prefer to not answer	<b>Moto_trip = 1</b>
TOLLR1	Toll Road	1=I-580 Express Lanes (Alameda County) 2=I-680 Express Lanes (Alameda County)	<b>TOLLF=1</b>

		<p>3=91 Express Lanes (Orange and Riverside Counties)  4=San Joaquin Hills Toll Road (SR-73) (Orange County)  5=Foothill Toll Road (SR-241) (Orange County)  6=Eastern (SR-241/SR-261/SR-133) Toll (Orange County)  7=Interstate 15 Express Lanes (San Diego County)  8=South Bay Expressway (SBX) (SR-125) (San Diego County)  9=17-Mile Drive (Monterey County)  98= Not sure  99=Prefer to not answer</p>	
TOLLR2	Toll Road	<p>1=I-580 Express Lanes (Alameda County)  2=I-680 Express Lanes (Alameda County)  3=91 Express Lanes (Orange and Riverside Counties)  4=San Joaquin Hills Toll Road (SR-73) (Orange County)  5=Foothill Toll Road (SR-241) (Orange County)  6=Eastern (SR-241/SR-261/SR-133) Toll (Orange County)  7=Interstate 15 Express Lanes (San Diego County)  8=South Bay Expressway (SBX) (SR-125) (San Diego County)  9=17-Mile Drive (Monterey County)  98= Not sure  99=Prefer to not answer</p>	<b>TOLLF=1</b>
TOLLR3	Toll Road	<p>1=I-580 Express Lanes (Alameda County)  2=I-680 Express Lanes (Alameda County)  3=91 Express Lanes (Orange and Riverside Counties)  4=San Joaquin Hills Toll Road (SR-73) (Orange County)  5=Foothill Toll Road (SR-241) (Orange County)  6=Eastern (SR-241/SR-261/SR-133) Toll (Orange County)  7=Interstate 15 Express Lanes (San Diego County)  8=South Bay Expressway (SBX) (SR-125) (San Diego County)  9=17-Mile Drive (Monterey County)  98= Not sure  99=Prefer to not answer</p>	<b>TOLLF=1</b>
TOLLR4	Toll Road	<p>1=I-580 Express Lanes (Alameda County)  2=I-680 Express Lanes (Alameda County)  3=91 Express Lanes (Orange and Riverside Counties)  4=San Joaquin Hills Toll Road (SR-73) (Orange County)  5=Foothill Toll Road (SR-241) (Orange County)  6=Eastern (SR-241/SR-261/SR-133) Toll (Orange County)  7=Interstate 15 Express Lanes (San Diego County)  8=South Bay Expressway (SBX) (SR-125) (San Diego County)  9=17-Mile Drive (Monterey County)  98= Not sure  99=Prefer to not answer</p>	<b>TOLLF=1</b>
TOLLR5	Toll Road	<p>1=I-580 Express Lanes (Alameda County)  2=I-680 Express Lanes (Alameda County)  3=91 Express Lanes (Orange and Riverside Counties)  4=San Joaquin Hills Toll Road (SR-73) (Orange County)  5=Foothill Toll Road (SR-241) (Orange County)  6=Eastern (SR-241/SR-261/SR-133) Toll (Orange County)  7=Interstate 15 Express Lanes (San Diego County)  8=South Bay Expressway (SBX) (SR-125) (San Diego County)  9=17-Mile Drive (Monterey County)  98= Not sure  99=Prefer to not answer</p>	<b>TOLLF=1</b>
TOLLR6	Toll Road	<p>1=I-580 Express Lanes (Alameda County)  2=I-680 Express Lanes (Alameda County)  3=91 Express Lanes (Orange and Riverside Counties)  4=San Joaquin Hills Toll Road (SR-73) (Orange County)  5=Foothill Toll Road (SR-241) (Orange County)  6=Eastern (SR-241/SR-261/SR-133) Toll (Orange County)  7=Interstate 15 Express Lanes (San Diego County)  8=South Bay Expressway (SBX) (SR-125) (San Diego County)</p>	<b>TOLLF=1</b>

		9=17-Mile Drive (Monterey County) 98= Not sure 99=Prefer to not answer	
TOLLR7	Toll Road	1=I-580 Express Lanes (Alameda County) 2=I-680 Express Lanes (Alameda County) 3=91 Express Lanes (Orange and Riverside Counties) 4=San Joaquin Hills Toll Road (SR-73) (Orange County) 5=Foothill Toll Road (SR-241) (Orange County) 6=Eastern (SR-241/SR-261/SR-133) Toll (Orange County) 7=Interstate 15 Express Lanes (San Diego County) 8=South Bay Expressway (SBX) (SR-125) (San Diego County) 9=17-Mile Drive (Monterey County) 98= Not sure 99=Prefer to not answer	<b>TOLLF=1</b>
TOLLR8	Toll Road	1=I-580 Express Lanes (Alameda County) 2=I-680 Express Lanes (Alameda County) 3=91 Express Lanes (Orange and Riverside Counties) 4=San Joaquin Hills Toll Road (SR-73) (Orange County) 5=Foothill Toll Road (SR-241) (Orange County) 6=Eastern (SR-241/SR-261/SR-133) Toll (Orange County) 7=Interstate 15 Express Lanes (San Diego County) 8=South Bay Expressway (SBX) (SR-125) (San Diego County) 9=17-Mile Drive (Monterey County) 98= Not sure 99=Prefer to not answer	<b>TOLLF=1</b>
TOLLR9	Toll Road	1=I-580 Express Lanes (Alameda County) 2=I-680 Express Lanes (Alameda County) 3=91 Express Lanes (Orange and Riverside Counties) 4=San Joaquin Hills Toll Road (SR-73) (Orange County) 5=Foothill Toll Road (SR-241) (Orange County) 6=Eastern (SR-241/SR-261/SR-133) Toll (Orange County) 7=Interstate 15 Express Lanes (San Diego County) 8=South Bay Expressway (SBX) (SR-125) (San Diego County) 9=17-Mile Drive (Monterey County) 98= Not sure 99=Prefer to not answer	<b>TOLLF=1</b>
TOLLR10	Toll Road	1=I-580 Express Lanes (Alameda County) 2=I-680 Express Lanes (Alameda County) 3=91 Express Lanes (Orange and Riverside Counties) 4=San Joaquin Hills Toll Road (SR-73) (Orange County) 5=Foothill Toll Road (SR-241) (Orange County) 6=Eastern (SR-241/SR-261/SR-133) Toll (Orange County) 7=Interstate 15 Express Lanes (San Diego County) 8=South Bay Expressway (SBX) (SR-125) (San Diego County) 9=17-Mile Drive (Monterey County) 98= Not sure 99=Prefer to not answer	<b>TOLLF=1</b>
TOLLB1	Toll Bridge	1=Antioch Bridge 2=Benicia - Martinez Bridge 3=Carquinez Bridge 4=Dumbarton Bridge 5=Golden Gate Bridge 6=Richmond - San Rafael Bridge 7=San Francisco - Oakland Bay Bridge 8=San Mateo - Hayward Bridge 98=Not sure 99=Prefer not to answer	<b>TOLLF=2</b>
TOLLB2	Toll Bridge	1=Antioch Bridge 2=Benicia - Martinez Bridge 3=Carquinez Bridge 4=Dumbarton Bridge 5=Golden Gate Bridge 6=Richmond - San Rafael Bridge	<b>TOLLF=2</b>



		7=San Francisco - Oakland Bay Bridge 8=San Mateo - Hayward Bridge 98=Not sure 99=Prefer not to answer	
TOLLB3	Toll Bridge	1=Antioch Bridge 2=Benicia - Martinez Bridge 3=Carquinez Bridge 4=Dumbarton Bridge 5=Golden Gate Bridge 6=Richmond - San Rafael Bridge 7=San Francisco - Oakland Bay Bridge 8=San Mateo - Hayward Bridge 98=Not sure 99=Prefer not to answer	<b>TOLLF=2</b>
TOLLB4	Toll Bridge	1=Antioch Bridge 2=Benicia - Martinez Bridge 3=Carquinez Bridge 4=Dumbarton Bridge 5=Golden Gate Bridge 6=Richmond - San Rafael Bridge 7=San Francisco - Oakland Bay Bridge 8=San Mateo - Hayward Bridge 98=Not sure 99=Prefer not to answer	<b>TOLLF=2</b>
TOLLB5	Toll Bridge	1=Antioch Bridge 2=Benicia - Martinez Bridge 3=Carquinez Bridge 4=Dumbarton Bridge 5=Golden Gate Bridge 6=Richmond - San Rafael Bridge 7=San Francisco - Oakland Bay Bridge 8=San Mateo - Hayward Bridge 98=Not sure 99=Prefer not to answer	<b>TOLLF=2</b>
TOLLB6	Toll Bridge	1=Antioch Bridge 2=Benicia - Martinez Bridge 3=Carquinez Bridge 4=Dumbarton Bridge 5=Golden Gate Bridge 6=Richmond - San Rafael Bridge 7=San Francisco - Oakland Bay Bridge 8=San Mateo - Hayward Bridge 98=Not sure 99=Prefer not to answer	<b>TOLLF=2</b>
TOLLB7	Toll Bridge	1=Antioch Bridge 2=Benicia - Martinez Bridge 3=Carquinez Bridge 4=Dumbarton Bridge 5=Golden Gate Bridge 6=Richmond - San Rafael Bridge 7=San Francisco - Oakland Bay Bridge 8=San Mateo - Hayward Bridge 98=Not sure 99=Prefer not to answer	<b>TOLLF=2</b>
TOLLB8	Toll Bridge	1=Antioch Bridge 2=Benicia - Martinez Bridge 3=Carquinez Bridge 4=Dumbarton Bridge 5=Golden Gate Bridge 6=Richmond - San Rafael Bridge 7=San Francisco - Oakland Bay Bridge 8=San Mateo - Hayward Bridge 98=Not sure 99=Prefer not to answer	<b>TOLLF=2</b>
TOLLB9	Toll Bridge	1=Antioch Bridge 2=Benicia - Martinez Bridge 3=Carquinez Bridge	<b>TOLLF=2</b>

		4=Dumbarton Bridge 5=Golden Gate Bridge 6=Richmond - San Rafael Bridge 7=San Francisco - Oakland Bay Bridge 8=San Mateo - Hayward Bridge 98=Not sure 99=Prefer not to answer	
TOLLB10	Toll Bridge	1=Antioch Bridge 2=Benicia - Martinez Bridge 3=Carquinez Bridge 4=Dumbarton Bridge 5=Golden Gate Bridge 6=Richmond - San Rafael Bridge 7=San Francisco - Oakland Bay Bridge 8=San Mateo - Hayward Bridge 98=Not sure 99=Prefer not to answer	<b>TOLLF=2</b>
HOVL	HOV lane used	1=Yes 2=No 98=Not sure 99=Prefer not to answer	<b>Moto_trip = 1</b>
NOGOWHY	Why no trips on travel day	1=Personally sick 2=Vacation or personal day 3=Caretaking sick kids 4=Caretaking sick other 5=Homebound elderly or disabled 6=Worked at home for pay 7=Not scheduled to work 8=Worked around home (not for pay) 9=No transportation available 10=Out of California 11=Weather 12=No reason to travel 97=Other 98=Not sure 99=Prefer to not answer	<b>PTrips=0 and InComplete is null</b>
NOGOWHY_O	Why no trips on travel day, other		<b>NOGOWHY=97</b>
InComplete	Person Retrieval Incomplete Flag from Valid Partial Complete Household	1=Did not report travel	
Moto_trip		1=Yes, has at least one moto-trip on travel day (MODE=5, 6, 7, 8, 10) 2=No, do not have moto-trip on travel day	<b>Incomplete is null</b>
WCTFIP	Work location county FID code 2010		
WTRACT	Work location census tract ID 2010		
SCTFIP	School location county FID code 2010		
STRACT	School location census tract ID 2010		
WPrimaryCity	Work location primary city		
WSTFIP	Work location state fips code		
W2PrimaryCity	Secondary work location primary city		
W2STFIP	Secondary work location state fips		
SPrimaryCity	School location primary city		
SSTFIP	School location state fips		
PERWGT	Final person weight		
EXPPWGT	Final expanded person		

weight		Vehicle (Table Name : Deliv_VEH)	
VAR NAME	Variable Description	VALUES	CONDITION
SAMPN	Sample Number		
VEHNO	Vehicle number		
YEAR	Year of vehicle	RANGE: 1930-2013 9998=DK 9999=RF	VEHOP>0
MAKE	Vehicle make	11=ACURA 12=AUDI 13=BMW 57=BUELL 14=BUICK 15=CADILLAC 16=CHEVROLET 17=CHRYSLER 18=DAEWOO 19=DODGE 58=DUCATI 20=FORD 21=GEO 22=GMC 23=HARLEY DAVIDSON 24=HONDA 25=HUMMER 26=HYUNDAI 27=INFINITI 28=ISUZU 29=JAGUAR 30=JEEP 31=KAWASAKI 32=KIA 44=LAND ROVER 33=LEXUS 34=LINCOLN 35=MAZDA 36=MERCEDES 37=MERCURY 54=MINI 38=SUBARU 39=NISSAN 40=OLDSMOBILE 41=PLYMOUTH 42=PONTIAC 43=PORSCH 55=RAM 45=SAAB 46=SATURN 47=SCION 56=SMART 48=SUBARU 49=SUZUKI 50=TOYOTA 59=TRIUMPH 51=VOLKSWAGEN 52=VOLVO 53=YAMAHA 97=OTHER, SPECIFY 98=DK 99=RF	VEHOP>0
O_MAKE	Other, Vehicle make		MAKE=97
MODEL	Vehicle model		VEHOP>0

SERIES	Series	000000=No Series 999997=Other Specify 999998=DK 999999=RF [REFER TO SERIES TAB FOR CODE LIST]	VEHOP>0
O_SERIES	Other, Series		SERIES='999997'
BODY	Body type	1=SEDAN (4-door) 2=SUV 3=PICK-UP TRUCK 4=COUPE (2-door) 5=CONVERTIBLE 6=HATCHBACK 7=WAGON 8=MINIVAN 9=VAN 10=OTHER KIND OF TRUCK 11=RECREATIONAL VEHICLE 12=MOTORCYCLE 13=MOPED/SCOOTER (e.g. VESPA) 97=OTHER, SPECIFY (WATERCRAFT, CROSSOVER, ETC) 98=DK 99=RF	VEHOP>0
O_BODY	Other, Body type		BODY=97
FUELT1	Fuel type	1=Gasoline 2=Diesel 3=Electric/Electric Battery 4=CNG - Natural Gas 5=Biofuel, Ethanol, Biodiesel 7=Other (specify) 8=DK 9=RF	VEHOP>0
FUELT2	Fuel type	1=Gasoline 2=Diesel 3=Electric/Electric Battery 4=CNG - Natural Gas 5=Biofuel, Ethanol, Biodiesel 7=Other (specify) 8=DK 9=RF	VEHOP>0
FUELT3	Fuel type	1=Gasoline 2=Diesel 3=Electric/Electric Battery 4=CNG - Natural Gas 5=Biofuel, Ethanol, Biodiesel 7=Other (specify) 8=DK 9=RF	VEHOP>0

FUELT4	Fuel type	1=Gasoline 2=Diesel 3=Electric/Electric Battery 4=CNG - Natural Gas 5=Biofuel, Ethanol, Biodiesel 7=Other (specify) 8=DK 9=RF	VEHOP>0
FUELT5	Fuel type	1=Gasoline 2=Diesel 3=Electric/Electric Battery 4=CNG - Natural Gas 5=Biofuel, Ethanol, Biodiesel 7=Other (specify) 8=DK 9=RF	VEHOP>0
FUELT6	Fuel type	1=Gasoline 2=Diesel 3=Electric/Electric Battery 4=CNG - Natural Gas 5=Biofuel, Ethanol, Biodiesel 7=Other (specify) 8=DK 9=RF	VEHOP>0
O_FUELT	Other, Fuel type		FUELT=7
CIGLT	Working power outlet	1=Yes 2=No 8=DK 9=RF	VEHOP>0 and GTYPE=1 and GFLAG=2,3
VEHAQ	Vehicle acquired	1=New 2=Used 8=DK 9=RF	VEHOP>0
VEHOWN	Vehicle ownership	1=Owned by household member 2=Leased by household member 3=Owned or leased by employer/company 4=Owned or leased by person not living in household 7=Other 8=DK 9=RF	VEHOP>0
O_VEHOWN	Other, Vehicle ownership		VEHOWN=7
VEHINS	Vehicle insurance	1=Yes 2=No 8=DK 9=RF	VEHOP>0
VEHOBD	Vehicle devices	1=Yes 2=No 8=DK 9=RF	VEHINS<>2

VEHTRN	Vehicle Transmission	1=Automatic 2=Manual 3=BOTH AUTOMATIC AND MANUAL OPTIONS (e.g. Tiptronic) 8=Don't Know 9=Refuse	BODY<12
VEHDRT	Power train	1=Front wheel drive 2=Rear-wheel drive 3=Four-wheel drive (all-wheel drive) 7=Other 8=Not sure 9=Prefer to not answer	BODY<12
O_VEHDR	Power train, other		VEHDRT=7
VEHCYL	Cylinders	1=Two 2=Four 3=Five 4=Six 5=Eight 6=Ten 7=Twelve 97=OTHER: SPECIFY 98=DON'T KNOW 99=REFUSE	BODY<12
O_VEHCYL	Cylinders, other		VEHCYL=97
VEHOUT	Electrial outlet	RANGE: 1- 8999 9000=NO OUTLET 9998=DON'T KNOW 9999=REFUSE	(BODY<12 and GFLAG=3 and RECDat>=9/13/2012) or (BODY<12 and RECDat<9/13/2012)
VEHVLT	Outlet volts	1=Standard 110 volt (OUTLET FOR SMALL APPLIANCES, LAMPS, ETC) 2=220 volt (ROUND OUTLET FOR LARGE APPLIANCES SUCH AS WASHING MACHINES, DRYERS, REFRIGERATORS) 8=DON'T KNOW 9=REFUSE	VEHOUT<9000 and VEHOUT>0
VEHT	Vehicle Tpe	1 =Hybrid Vehicle (GO TO FUEL [PROG: SHOW ALL]) 2 =Gasoline Only Vehicle (AUTO FILL FUEL=1) 3 =Diesel Only Vehicle (GO TO FUEL [PROG: SHOW ONLY CHOICES 2 & 5]) 4 =Plug In Hybrid Electric Vehicle (GO TO FUEL [PROG: SHOW ALL]) 5 =CNG (AUTO FILL FUEL=4) 6= Electric Only (AUTO FILL FUEL=3) 7=OTHER (GO TO FUEL [PROG: SHOW ALL]) 9= Don't Know / Refused	VEHOP>0
CNTV	Vehicle used on travel day	1=Used 2=Not used	

WYCNTV	Reason why not	1=Did not travel on travel day 2=Vehicle not needed 3=Prefer to use transit 4=Used bicycle 5=Prefer to walk 6=Vehicle not working/in shop 7=Travelled with others 8=Wanted to help the environment 9=Parking cost too high 10=Fuel costs too high 11=Short trip 12=Long trip 97=Other (specify) (O_WYCNTV) 98 DON'T KNOW 99 REFUSE	CNTV<>1
O_WYCNTV	Other, Reason why not		WYCNTV=97
HHWGT	Final household weight		
EXPHHWGT	Final expanded household weight		

**Place (Table Name : Deliv\_Place)**

VAR NAME	Variable Description	VALUES	CONDITION
SAMPN	Sample number		
PERNO	Person number		
PLANO	Place number		
TOTTR	Total People traveling on trip		MODE=5, 6, 7, 8, 10
HHMEM	Number of household members on trip		MODE=5, 6, 7, 8, 10 and TOTTR>0
PER1	Person number on trip		MODE=5, 6, 7, 8, 10 and HHMEM>0
PER2	Person number on trip		MODE=5, 6, 7, 8, 10 and HHMEM>1
PER3	Person number on trip		MODE=5, 6, 7, 8, 10 and HHMEM>2
PER4	Person number on trip		MODE=5, 6, 7, 8, 10 and HHMEM>3
PER5	Person number on trip		MODE=5, 6, 7, 8, 10 and HHMEM>4
NONHH	Number of non-household members traveling together		MODE=5, 6, 7, 8, 10
MODE	Mode of trip	1=Walk 2=Bike 3=Wheelchair / Mobility Scooter 4=Other Non-Motorized 5=Auto / Van / Truck Driver 6=Auto / Van / Truck Passenger 7=Carpool / Vanpool 8=Motorcycle / Scooter / Moped 9=Taxi / Hired Car / Limo 10=Rental Car/Vehicle 11=Private shuttle (SuperShuttle, employer, hotel, etc.) 12=Greyhound Bus 13=Plane 14=Other Private Transit 15=Local Bus, Rapid Bus 16=Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc) 17=Premium Bus ( Metro Orange / Silver Line ) 18=School Bus 19=Public Transit Shuttle (DASH, Emery Go Round, etc.) 20=AirBART / LAX FlyAway	PLANO <> 1

		21=Dial-a-Ride / Paratransit (Access Services, etc.) 22=Amtrak Bus 23=Other Bus 24=BART, Metro Red / Purple Line 25=ACE, Amtrak, Caltrain, Coaster, Metrolink 26=Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail 27=Street Car / Cable Car 28=Other Rail 29=Ferry / Boat	
VEHNO	Household vehicle number used on trip	RANGE: 1-8 97= Non-HH Vehicle	MODE=5, 6, 7, 8, 10
DYGOV	Get out of vehicle	1=Yes 2=No 8=Don't know 9=Refused	MODE=5, 6, 7, 8, 10 and PNAME <>'HOME'
PRKTY	Parking location type	1=At this location 2=Off site Parking lot 3=Off site Parking garage 4=Street 5=Driveway/Personal garage 7=Other, specify 8=DK 9=RF	MODE =5, 8, 10 and DYGOV=1 and PNAME <> 'HOME'
O_PRKTY	Parking location type, other		PRKTY=7
PXSTR	Parking location address		PRKTY=2, 3, 4
PRKMIN	Time(Mins) walking from Park to dest	RANGE: 0-60 98=Don't Know 99=Prefer not to answer	PRKTY=2, 3, 4
PAYPK	Pay to park	1=Yes 2=No 8=Don't Know 9=Prefer to not answer	PRKTY=2, 3, 4
PKAMT	Parking amount		PAYPK=1
PKUNT	Parking unit	1=Hour 2=Per Day 3=Per week 4=Per month 5=Quarter 6=Semester 7=Per year 8=DK 9=RF	PAYPK=1
PRKHW	How did you pay f or parking	1=Cash/credit/debit card 2=Pre-paid parking pass 3=Employer provided parking pass 7=Other 8=Not sure 9=Prefer to not answer	PAYPK=1
O_PRKHW	How did you pay f or parking, other		PRKHW=7
EMPARK	Parking cost not reimbursed by employer		EMPLY=1 and PAYPK=1
TRANSYS	Transit system	1=A&MTRS (Arcata & Mad River Transit System) 2=AC Transit (Alameda-Contra Costa Transit District) 3=AC Transit Transbay Express Bus 4=ACCESS Services Inc. 5=ACE (Altamont Commuter Express) 6=AirBART 7=Amtrak 8=Arcadia Transit 9=ARTS (Amador Regional Transit System) 10=AVTA (Antelope Valley Transit Authority) 11=Baldwin Park Transit 12=BAR (Barstow Area Transit)	MODE =15 - 28 and MODE <> 18



13=BART (Bay Area Rapid Transit)  
 14=Beeline (Glendale)  
 15=Bellflower Bus  
 16=Big Blue Bus or Santa Monica Bus  
 17=B-Line (Butte Regional Transit)  
 18=BlueGO  
 19=BREEZE (North County Transit District)  
 20=BurbankBUS  
 21=Cable Car  
 22=Caltrain  
 23=Calveras Transit  
 24=CAT (Camarillo Area Transit)  
 25=CATX (Chowchilla Area Transit Express)  
 26=Claremont Transit  
 27=Coalinga Transit  
 28=COASTER and SPRINTER (North County Transit District)  
 29=Colusa County Transit  
 30=Commerce Transit  
 31=Commuter Express  
 32=County Connection (CCTA-Contra Costa County Transit Authority)  
 33=Culver CityBus  
 34=CVT (Chula Vista Transit)  
 35=DART (Delano Area Rapid Transit)  
 36=DASH  
 37=DowneyLINK  
 38=Duarte Transit  
 39=Eastern Sierra Transit Authority  
 40=El Dorado County Transit  
 41=Eureka Transit Service  
 42=FAST (Fairfield-Suisun Transit System)  
 43=FAX (Fresno Area Express)  
 44=Ferry  
 45=Foothill Transit  
 46=Gardena Municipal Bus Lines  
 47=Glenn Ride  
 48=GO WEST Shuttle (West Covina Transit)  
 49=Gold Coast Transit  
 50=Gold Country Stage  
 51=Golden Empire Transit District  
 52=Golden Gate Transit  
 53=IV Transit (Imperial Valley Transit)  
 54=KART (Kings Area Rural Transit)  
 55=Kern Regional Transit  
 56=La Mirada Transit  
 57=Laguna Beach Transit  
 58=Lake Transit  
 59=Lassen Rural Bus  
 60=Long Beach Transit  
 61=Mari-Go Maripose County Transit  
 62=Marin Transit  
 63=MARTA (Mountain Area Regional Transit Authority)  
 64=MAX (Municipal Area Express)  
 65=MBTA (Morongo Basin Transit Authority)  
 66=MCB (Moorpark City Bus)  
 67=Metro (Santa Cruz Metro)  
 68=Metro Blue, Green or Gold Lines  
 69=Metro Orange or Silver Lines  
 70=Metro Red/Purple Lines  
 71=Metro, Metro Rapid, Express Bus  
 72=Metrolink  
 73=Modesto Max  
 74=Montebello Bus Lines  
 75=Monterey-Salinas Transit  
 76=MTA (Mendocino Transit Authority)  
 77=MTD (Santa Barbara Municipal Transit District)  
 78=MTS (San Diego Metropolitan Transit System)

		79=Muni Metro 80=NAT (Needles Area Transit) 81=None 82=North County Shuttle 83=Norwalk Transit System 84=OCTA (Orange County Transportation Authority) 85=OmniTrans 86=Paso Express 87=Petaluma Transit 88=Placer County Transit 89=Plumas Transit System 90=PVPTA (Palos Verdes Peninsula Transit Authority) 91=RABA (Redding Area Bus Authority) 92=Redwood Coast Transit (Del Norte County Public Transportation) 93=Redwood Transit System (RTS) 94=Roseville Commuter Bus 95=RTA (Riverside Transit Agency) 96=RTA (San Luis Obispo Regional Transit Authority) 97=RTD (San Joaquin Regional Transit District) 98=Sage Stage 99=SamTrans (San Mateo County Transit District) 100=San Benito County Express 101=San Diego Trolley (San diego Metropolitan Transit System) 102=Santa Clarita Transit 103=Santa Rosa CityBus 104=SCAT (part of RTA) 105=SNTV (Santa Ynez Valley Transit) 106=Sonoma County Transit 107=SRT Bus (Sacramento Regional Transit) 108=SRT Light Rail (Sacramento Regional Transit) 109=STA (Solano Transportation Authority) 110=STAGE (Siskiyou Transit and General Express) 111=Stageline (City of Clovis) 112=START (Stanislaus Regional Transit) 113=Street Car (e.g. Mini F-Market) 114=SunLine 115=SVT (Simi Valley Transit) 116=TART (Tahoe Area Regional Transit) 117=TAT (Taft Area Transit) 118=The WAVE (cty of Redondo Beach) 119=The BUS (Merced County Transit) 120=Torrance Transit 121=TOT (Thousand Oaks Transit) 122=TRAX (Tehama Rural Area Express) 123=Tri-Delta Transit (Eastern Contra Costa Transit Authority) 124=Trinity Transit 125=Tulare County Transit 126=Tuolumne County Transit 127=UCT (Union City Transit) 128=Unitrans 129=Vallejo Transit 130=VINE (Napa County Transportation and Planning Agency) 131=VTA (Santa Clara Valley Transit Authority) 132=VVTA (Victor Valley Transit Authority) 133=WestCAT (Western Contra Costa Transit Authority) 134=Wheels/LAVTA (Livermore Amador Valley Transit Authority) 135=YoloBus 136=YSTA (Yuba-Sutter Transit Authority) 997=Other: Record Response 998=DK 999=RF	
O_TRANSYS	Transit system, other		<b>TRANSYS=997</b>

ROUTE	Transit Route		<b>MODE =15 - 28 and MODE &lt;&gt; 18</b>
ACTCNT	Number of activities		
ARR_HR	Arrival time- hour		
ARR_MIN	Arrival time - minute		
DEP_HR	Departure time - hour		
DEP_MIN	Departure time - minute		
TRIPDUR	Travel time to place in minutes.		<b>PLANO&gt;1</b>
ACTDUR	Activity duration at place in minutes.		
TRIPDIST	Travel distance (air distance)		<b>PLANO&gt;1</b>
PNAME	Place Name		
CITY	City		
STATE	State		
ZIP	Zip		
STATE	State		
xcord	X-coordinate		
ycord	Y-coordinate		
RouteDistance	RouteDistance		<b>PLANO&gt;1</b>
CTFIP	Trip location county FID code 2010		
TRACT	Trip location census tract ID 2010		
PPrimaryCity	Trip location primary city		
PSTFIP	Trip location state fips		
PERWGT	Final person weight		
EXPPERWGT	Final expanded person weight		
TRIPNO	Trip id		
TCF	Trip correction factor		
TCFWGT	Trip corrected final person weight (Final trip weight)		
Activity (Table Name : Deliv_ACT)			
VAR NAME	Variable Description	VALUES	CONDITION
SAMPN	Household ID number		
PERNO	Person number		
PLANO	Place number		
ACTNO	Activity number		
ACTOTH	Did anyone else participate with you?	1=Yes, with others 2=No, I was alone 8=Not sure 9=Prefer to not answer	CTFIP='06025' or CTFIP = '06037' or CTFIP = '06059' or CTFIP= '06065' or CTFIP = '06071' or CTFIP= '06111'
ACTHH	Number of HH/family Members		<b>ACTOTH=1</b>
ACTOR	Number of other relatives		<b>ACTOTH=1</b>
ACTWK	Number of people from your Work		<b>ACTOTH=1</b>
ACTSC	Number of people from your School		<b>ACTOTH=1</b>

ACTRG	Number of people from same rel/social org		ACTOTH=1
ACTFR	Number of Friends		ACTOTH=1
ACTOT	Number of Other relations		ACTOTH=1
		1= PERSONAL ACTIVITIES (SLEEPING, PERSONAL CARE, LEISURE, CHORES) 2=PREPARING MEALS/EATING 3=HOSTING VISITORS/ENTERTAINING GUESTS 4=EXERCISE (WITH OR WITHOUT EQUIPMENT)/PLAYING SPORTS 5=STUDY / SCHOOLWORK 6=WORK FOR PAY AT HOME USING TELECOMMUNICATIONS EQUIPMENT 7=USING COMPUTER/TELEPHONE/CELL OR SMART PHONE OR OTHER COMMUNICATIONS DEVICE FOR PERSONAL ACTIVITIES 8=ALL OTHER ACTIVITIES AT MY HOME 9=WORK/JOB DUTIES 10=TRAINING 11=MEALS AT WORK 12=WORK-SPONSORED SOCIAL ACTIVITIES (HOLIDAY OR BIRTHDAY CELEBRATIONS, ETC) 13=NON-WORK RELATED ACTIVITIES (SOCIAL CLUBS, ETC) 14=EXERCISE/SPORTS 15=VOLUNTEER WORK/ACTIVITIES 16=ALL OTHER WORK-RELATED ACTIVITIES AT MY WORK 17=IN SCHOOL/CLASSROOM/LABORATORY 18=MEALS AT SCHOOL/COLLEGE 19=AFTER SCHOOL OR NON-CLASS-RELATED SPORTS/PHYSICAL ACTIVITY 20=ALL OTHER AFTER SCHOOL OR NON-CLASS RELATED ACTIVITIES (LIBRARY, BAND REHEARSAL, CLUBS, ETC) 21=CHANGE TYPE OF TRANSPORTATION/TRANSFER (WALK TO BUS, WALK TO/FROM PARKED CAR) 22=PICKUP/DROP OFF PASSENGER(S) 23=DRIVE THROUGH MEALS (SNACKS, COFFEE, ETC.) [SHOW IF PTYPE <> 1 (HOME)] 24=DRIVE THROUGH OTHER (ATM, BANK) [SHOW IF PTYPE <> 1] 25=WORK-RELATED (MEETING, SALES CALL, DELIVERY) 26=SERVICE PRIVATE VEHICLE (GAS, OIL, LUBE, REPAIRS) 27=ROUTINE SHOPPING (GROCERIES, CLOTHING, CONVENIENCE STORE, HH MAINTENANCE) 28=SHOPPING FOR MAJOR PURCHASES OR SPECIALTY ITEMS (APPLIANCE, ELECTRONICS, NEW VEHICLE, MAJOR HH REPAIRS) 29=HOUSEHOLD ERRANDS (BANK, DRY CLEANING, ETC.) 30=PERSONAL BUSINESS (VISIT GOVERNMENT OFFICE, ATTORNEY, ACCOUNTANT) 31=EAT MEAL AT RESTAURANT/DINER 32=HEALTH CARE (DOCTOR, DENTIST, EYE CARE, CHIROPRACTOR, VETERINARIAN) 33=CIVIC/RELIGIOUS ACTIVITIES 34=OUTDOOR EXERCISE (PLAYING SPORTS/JOGGING, BICYCLING, WALKING, WALKING THE DOG, ETC.) 35=INDOOR EXERCISE (GYM, YOGA, ETC.) 36=ENTERTAINMENT (MOVIES, WATCH SPORTS, ETC) 37=SOCIAL/VISIT FRIENDS/RELATIVES 38=OTHER (SPECIFY) [NOTE: LISTED ON DIARY] (O_APURP) 39=LOOP TRIP (FOR INTERVIEWER ONLY-NOT LISTED ON DIARY) 99=DON'T KNOW/REFUSED	
APURP	Purpose		
O_APURP	Purpose, Other		APURP=38
STIME	Start Time		
ETIME	End Time		

PERWGT	Final person weight		
EXPPERWGT	Final expanded person weight		
TRIPNO	Trip id		
TCF	Trip correction factor		
TCFWGT	Trip corrected final person weight (Final trip weight)		
Long Distance (Table Name : Deliv_LD)			
VAR NAME	Variable Description	VALUES	CONDITION
SAMPN	SAMPLE NUMBER		
LDNO	Long distance trip number		
LDDAT	Date		
LDORG	Origin	1=Home 2=Primary job 3=School 4=Second Job 7=Other, specify address 8=Don't know 9=Refuse	
LDOPNM	Origin Place Name		LDORG=1, 2,3,4,7
LDOCITY	Origin City		LDORG=1, 2,3,4,7
LDOZIP	Origin Zip code		LDORG=1, 2,3,4,7
LDOST	Origin State		LDORG=1, 2,3,4,7
LDOCNTR	Origin Country		LDORG=1, 2,3,4,7
LDOXCORD	Origin X-coordinate		LDORG=1, 2,3,4,7
LDOYCORD	Origin Y-coordinate		LDORG=1, 2,3,4,7
LDDPNM	Destination Place Name		
LDDCITY	Destination City		
LDDZIP	Destination Zip code		
LDDST	Destination State		
LDDCNTR	Destination Country		
LDDXCORD	Destination X-coordinate		
LDDYCORD	Destination Y-coordinate		
LDTPURP	Long distance Trip Purpose	1=Going to work 2=Business (work-related meeting/convention/seminar) 3=Combined business and pleasure 4=School -related activity 5=Visit friends/family/relatives 6=Medical 7=Vacation/sightseeing 8=Outdoor recreation (sports, fishing, hunting, camping, boating, etc) 9=Entertainment (theater, concert, sports event, gambling, etc) 10=Personal Business (e.g. shopping) 11=Drive someone else 12=Return home 97=Other (specify) 98=Don't know 99=Refuse	
O_LDTPUPR	Long distance Trip Purpose, other		LDTPURP=97

LDWHO	People on trip	RANGE: 0-25 98=Don't Know 99=Refused	
LDMHH	Household members on trip	RANGE: 0-8 98=Don't Know 99=Refused	<b>LDWHO&gt;0 and LDWHO&lt;98</b>
LDINI1	Person who made trip1		
LDINI2	Person who made trip2		
LDINI3	Person who made trip3		
LDINI4	Person who made trip4		
LDINI5	Person who made trip5		
LDINI6	Person who made trip6		
LDINI7	Person who made trip7		
LDINI8	Person who made trip8		
LDMODE1	Long distance Mode	1=Walk 2=Bike 3=Wheelchair / Mobility Scooter 4=Other Non-Motorized (please specify) 5=Auto / Van / Truck Driver 6=Auto / Van / Truck Passenger 7=Carpool / Vanpool 8=Motorcycle / Scooter / Moped 9=Taxi / Hired Car / Limo 10=Rental Car/Vehicle 11=Private shuttle (SuperShuttle, employer, hotel, etc.) 12=Greyhound Bus 13=Plane 14=Other Private Transit (please specify) 15=Local Bus, Rapid Bus 16=Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc) 17=Premium Bus ( Metro Orange / Silver Line ) 18=School Bus 19=Public Transit Shuttle (DASH, Emery Go Round, etc.) 20=AirBART / LAX FlyAway 21=Dial-a-Ride / Paratransit (Access Services, etc.) 22=Amtrak Bus 23=Other Bus (write code and specify) 24=BART, Metro Red / Purple Line 25=ACE, Amtrak, Caltrain, Coaster, Metrolink 26=Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail 27=Street Car / Cable Car 28=Other Rail (please specify) 29=Ferry / Boat 99=DK/RF	

LDMODE2	Long distance Mode	1=Walk 2=Bike 3=Wheelchair / Mobility Scooter 4=Other Non-Motorized (please specify) 5=Auto / Van / Truck Driver 6=Auto / Van / Truck Passenger 7=Carpool / Vanpool 8=Motorcycle / Scooter / Moped 9=Taxi / Hired Car / Limo 10=Rental Car/Vehicle 11=Private shuttle (SuperShuttle, employer, hotel, etc.) 12=Greyhound Bus 13=Plane 14=Other Private Transit (please specify) 15=Local Bus, Rapid Bus 16=Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc) 17=Premium Bus ( Metro Orange / Silver Line ) 18=School Bus 19=Public Transit Shuttle (DASH, Emery Go Round, etc.) 20=AirBART / LAX FlyAway 21=Dial-a-Ride / Paratransit (Access Services, etc.) 22=Amtrak Bus 23=Other Bus (write code and specify) 24=BART, Metro Red / Purple Line 25=ACE, Amtrak, Caltrain, Coaster, Metrolink 26=Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail 27=Street Car / Cable Car 28=Other Rail (please specify) 29=Ferry / Boat 99=DK/RF	
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LDMODE3	Long distance Mode	1=Walk 2=Bike 3=Wheelchair / Mobility Scooter 4=Other Non-Motorized (please specify) 5=Auto / Van / Truck Driver 6=Auto / Van / Truck Passenger 7=Carpool / Vanpool 8=Motorcycle / Scooter / Moped 9=Taxi / Hired Car / Limo 10=Rental Car/Vehicle 11=Private shuttle (SuperShuttle, employer, hotel, etc.) 12=Greyhound Bus 13=Plane 14=Other Private Transit (please specify) 15=Local Bus, Rapid Bus 16=Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc) 17=Premium Bus ( Metro Orange / Silver Line ) 18=School Bus 19=Public Transit Shuttle (DASH, Emery Go Round, etc.) 20=AirBART / LAX FlyAway 21=Dial-a-Ride / Paratransit (Access Services, etc.) 22=Amtrak Bus 23=Other Bus (write code and specify) 24=BART, Metro Red / Purple Line 25=ACE, Amtrak, Caltrain, Coaster, Metrolink 26=Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail 27=Street Car / Cable Car 28=Other Rail (please specify) 29=Ferry / Boat 99=DK/RF	
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LDMODE4	Long distance Mode	1=Walk 2=Bike 3=Wheelchair / Mobility Scooter 4=Other Non-Motorized (please specify) 5=Auto / Van / Truck Driver 6=Auto / Van / Truck Passenger 7=Carpool / Vanpool 8=Motorcycle / Scooter / Moped 9=Taxi / Hired Car / Limo 10=Rental Car/Vehicle 11=Private shuttle (SuperShuttle, employer, hotel, etc.) 12=Greyhound Bus 13=Plane 14=Other Private Transit (please specify) 15=Local Bus, Rapid Bus 16=Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc) 17=Premium Bus ( Metro Orange / Silver Line ) 18=School Bus 19=Public Transit Shuttle (DASH, Emery Go Round, etc.) 20=AirBART / LAX FlyAway 21=Dial-a-Ride / Paratransit (Access Services, etc.) 22=Amtrak Bus 23=Other Bus (write code and specify) 24=BART, Metro Red / Purple Line 25=ACE, Amtrak, Caltrain, Coaster, Metrolink 26=Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail 27=Street Car / Cable Car 28=Other Rail (please specify) 29=Ferry / Boat 99=DK/RF	
MAXDATE	Latest LD Trip Flag	0=No 1=Yes	
LDTIM	Time start		<b>MAXDATE=1</b>
LDDPPNM	Departure Place Name		<b>MAXDATE=1 and (LDMODE1&gt;11 and LDMODE1&lt;&gt;18, 21,99 or LDMODE2&gt;11 and LDMODE2&lt;&gt;18,21,99)</b>

LDDPMODE1	Departure Mode	1=Walk 2=Bike 3=Wheelchair / Mobility Scooter 4=Other Non-Motorized (please specify) 5=Auto / Van / Truck Driver 6=Auto / Van / Truck Passenger 7=Carpool / Vanpool 8=Motorcycle / Scooter / Moped 9=Taxi / Hired Car / Limo 10=Rental Car/Vehicle 11=Private shuttle (SuperShuttle, employer, hotel, etc.) 12=Greyhound Bus 13=Plane 14=Other Private Transit (please specify) 15=Local Bus, Rapid Bus 16=Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc) 17=Premium Bus ( Metro Orange / Silver Line ) 18=School Bus 19=Public Transit Shuttle (DASH, Emery Go Round, etc.) 20=AirBART / LAX FlyAway 21=Dial-a-Ride / Paratransit (Access Services, etc.) 22=Amtrak Bus 23=Other Bus (write code and specify) 24=BART, Metro Red / Purple Line 25=ACE, Amtrak, Caltrain, Coaster, Metrolink 26=Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail 27=Street Car / Cable Car 28=Other Rail (please specify) 29=Ferry / Boat 99=DK/RF	<b>MAXDATE=1 and (LDMODE1&gt;11 and LDMODE1&lt;&gt;18, 21,99 or LDMODE2&gt;11 and LDMODE2&lt;&gt;18,21,99)</b>
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LDDPMODE2	Departure Mode	1=Walk 2=Bike 3=Wheelchair / Mobility Scooter 4=Other Non-Motorized (please specify) 5=Auto / Van / Truck Driver 6=Auto / Van / Truck Passenger 7=Carpool / Vanpool 8=Motorcycle / Scooter / Moped 9=Taxi / Hired Car / Limo 10=Rental Car/Vehicle 11=Private shuttle (SuperShuttle, employer, hotel, etc.) 12=Greyhound Bus 13=Plane 14=Other Private Transit (please specify) 15=Local Bus, Rapid Bus 16=Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc) 17=Premium Bus ( Metro Orange / Silver Line ) 18=School Bus 19=Public Transit Shuttle (DASH, Emery Go Round, etc.) 20=AirBART / LAX FlyAway 21=Dial-a-Ride / Paratransit (Access Services, etc.) 22=Amtrak Bus 23=Other Bus (write code and specify) 24=BART, Metro Red / Purple Line 25=ACE, Amtrak, Caltrain, Coaster, Metrolink 26=Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail 27=Street Car / Cable Car 28=Other Rail (please specify) 29=Ferry / Boat 99=DK/RF	<b>MAXDATE=1 and (LDMODE1&gt;11 and LDMODE1&lt;&gt;18, 21,99 or LDMODE2&gt;11 and LDMODE2&lt;&gt;18,21,99)</b>
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LDDPMODE3	Departure Mode	<p>1=Walk  2=Bike  3=Wheelchair / Mobility Scooter  4=Other Non-Motorized (please specify)  5=Auto / Van / Truck Driver  6=Auto / Van / Truck Passenger  7=Carpool / Vanpool  8=Motorcycle / Scooter / Moped  9=Taxi / Hired Car / Limo  10=Rental Car/Vehicle  11=Private shuttle (SuperShuttle, employer, hotel, etc.)  12=Greyhound Bus  13=Plane  14=Other Private Transit (please specify)  15=Local Bus, Rapid Bus  16=Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc)  17=Premium Bus ( Metro Orange / Silver Line )  18=School Bus  19=Public Transit Shuttle (DASH, Emery Go Round, etc.)  20=AirBART / LAX FlyAway  21=Dial-a-Ride / Paratransit (Access Services, etc.)  22=Amtrak Bus  23=Other Bus (write code and specify)  24=BART, Metro Red / Purple Line  25=ACE, Amtrak, Caltrain, Coaster, Metrolink  26=Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail  27=Street Car / Cable Car  28=Other Rail (please specify)  29=Ferry / Boat  99=DK/RF</p>	<p><b>MAXDATE=1 and (LDMODE1&gt;11 and LDMODE1&lt;&gt;18, 21,99 or LDMODE2&gt;11 and LDMODE2&lt;&gt;18,21,99)</b></p>
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LDDPMODE4	Departure Mode	1=Walk 2=Bike 3=Wheelchair / Mobility Scooter 4=Other Non-Motorized (please specify) 5=Auto / Van / Truck Driver 6=Auto / Van / Truck Passenger 7=Carpool / Vanpool 8=Motorcycle / Scooter / Moped 9=Taxi / Hired Car / Limo 10=Rental Car/Vehicle 11=Private shuttle (SuperShuttle, employer, hotel, etc.) 12=Greyhound Bus 13=Plane 14=Other Private Transit (please specify) 15=Local Bus, Rapid Bus 16=Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc) 17=Premium Bus ( Metro Orange / Silver Line ) 18=School Bus 19=Public Transit Shuttle (DASH, Emery Go Round, etc.) 20=AirBART / LAX FlyAway 21=Dial-a-Ride / Paratransit (Access Services, etc.) 22=Amtrak Bus 23=Other Bus (write code and specify) 24=BART, Metro Red / Purple Line 25=ACE, Amtrak, Caltrain, Coaster, Metrolink 26=Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail 27=Street Car / Cable Car 28=Other Rail (please specify) 29=Ferry / Boat 99=DK/RF	<b>MAXDATE=1 and (LDMODE1&gt;11 and LDMODE1&lt;&gt;18, 21,99 or LDMODE2&gt;11 and LDMODE2&lt;&gt;18,21,99)</b>
LDARPNM	Arrival Place Name		<b>MAXDATE=1 and (LDMODE1&gt;11 and LDMODE1&lt;&gt;18, 21,99 or LDMODE2&gt;11 and LDMODE2&lt;&gt;18,21,99)</b>

LDARMODE1	Arrival Mode	1=Walk 2=Bike 3=Wheelchair / Mobility Scooter 4=Other Non-Motorized (please specify) 5=Auto / Van / Truck Driver 6=Auto / Van / Truck Passenger 7=Carpool / Vanpool 8=Motorcycle / Scooter / Moped 9=Taxi / Hired Car / Limo 10=Rental Car/Vehicle 11=Private shuttle (SuperShuttle, employer, hotel, etc.) 12=Greyhound Bus 13=Plane 14=Other Private Transit (please specify) 15=Local Bus, Rapid Bus 16=Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc) 17=Premium Bus ( Metro Orange / Silver Line ) 18=School Bus 19=Public Transit Shuttle (DASH, Emery Go Round, etc.) 20=AirBART / LAX FlyAway 21=Dial-a-Ride / Paratransit (Access Services, etc.) 22=Amtrak Bus 23=Other Bus (write code and specify) 24=BART, Metro Red / Purple Line 25=ACE, Amtrak, Caltrain, Coaster, Metrolink 26=Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail 27=Street Car / Cable Car 28=Other Rail (please specify) 29=Ferry / Boat 99=DK/RF	<b>MAXDATE=1 and (LDMODE1&gt;11 and LDMODE1&lt;&gt;18, 21,99 or LDMODE2&gt;11 and LDMODE2&lt;&gt;18,21,99)</b>
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LDARMODE2	Arrival Mode	1=Walk 2=Bike 3=Wheelchair / Mobility Scooter 4=Other Non-Motorized (please specify) 5=Auto / Van / Truck Driver 6=Auto / Van / Truck Passenger 7=Carpool / Vanpool 8=Motorcycle / Scooter / Moped 9=Taxi / Hired Car / Limo 10=Rental Car/Vehicle 11=Private shuttle (SuperShuttle, employer, hotel, etc.) 12=Greyhound Bus 13=Plane 14=Other Private Transit (please specify) 15=Local Bus, Rapid Bus 16=Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc) 17=Premium Bus ( Metro Orange / Silver Line ) 18=School Bus 19=Public Transit Shuttle (DASH, Emery Go Round, etc.) 20=AirBART / LAX FlyAway 21=Dial-a-Ride / Paratransit (Access Services, etc.) 22=Amtrak Bus 23=Other Bus (write code and specify) 24=BART, Metro Red / Purple Line 25=ACE, Amtrak, Caltrain, Coaster, Metrolink 26=Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail 27=Street Car / Cable Car 28=Other Rail (please specify) 29=Ferry / Boat 99=DK/RF	<b>MAXDATE=1 and (LDMODE1&gt;11 and LDMODE1&lt;&gt;18, 21,99 or LDMODE2&gt;11 and LDMODE2&lt;&gt;18,21,99)</b>
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LDARMODE3	Arrival Mode	1=Walk 2=Bike 3=Wheelchair / Mobility Scooter 4=Other Non-Motorized (please specify) 5=Auto / Van / Truck Driver 6=Auto / Van / Truck Passenger 7=Carpool / Vanpool 8=Motorcycle / Scooter / Moped 9=Taxi / Hired Car / Limo 10=Rental Car/Vehicle 11=Private shuttle (SuperShuttle, employer, hotel, etc.) 12=Greyhound Bus 13=Plane 14=Other Private Transit (please specify) 15=Local Bus, Rapid Bus 16=Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc) 17=Premium Bus ( Metro Orange / Silver Line ) 18=School Bus 19=Public Transit Shuttle (DASH, Emery Go Round, etc.) 20=AirBART / LAX FlyAway 21=Dial-a-Ride / Paratransit (Access Services, etc.) 22=Amtrak Bus 23=Other Bus (write code and specify) 24=BART, Metro Red / Purple Line 25=ACE, Amtrak, Caltrain, Coaster, Metrolink 26=Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail 27=Street Car / Cable Car 28=Other Rail (please specify) 29=Ferry / Boat 99=DK/RF	<b>MAXDATE=1 and (LDMODE1&gt;11 and LDMODE1&lt;&gt;18, 21,99 or LDMODE2&gt;11 and LDMODE2&lt;&gt;18,21,99)</b>
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LDARMODE4	Arrival Mode	1=Walk 2=Bike 3=Wheelchair / Mobility Scooter 4=Other Non-Motorized (please specify) 5=Auto / Van / Truck Driver 6=Auto / Van / Truck Passenger 7=Carpool / Vanpool 8=Motorcycle / Scooter / Moped 9=Taxi / Hired Car / Limo 10=Rental Car/Vehicle 11=Private shuttle (SuperShuttle, employer, hotel, etc.) 12=Greyhound Bus 13=Plane 14=Other Private Transit (please specify) 15=Local Bus, Rapid Bus 16=Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc) 17=Premium Bus ( Metro Orange / Silver Line ) 18=School Bus 19=Public Transit Shuttle (DASH, Emery Go Round, etc.) 20=AirBART / LAX FlyAway 21=Dial-a-Ride / Paratransit (Access Services, etc.) 22=Amtrak Bus 23=Other Bus (write code and specify) 24=BART, Metro Red / Purple Line 25=ACE, Amtrak, Caltrain, Coaster, Metrolink 26=Metro Blue / Green / Gold Line, Muni Metro, Sacramento Light Rail, San Diego Sprinter / Trolley / Orange/Blue/Green, VTA Light Rail 27=Street Car / Cable Car 28=Other Rail (please specify) 29=Ferry / Boat 99=DK/RF	<b>MAXDATE=1 and (LDMODE1&gt;11 and LDMODE1&lt;&gt;18, 21,99 or LDMODE2&gt;11 and LDMODE2&lt;&gt;18,21,99)</b>
LDOCTFIP	Long distance trip origin location county FID code 2010		
LDOCTRACT	Long distance trip origin location census tract ID 2010		
LDDCTFIP	Long distance trip destination location county FID code 2010		
LDDCTRACT	Long distance trip destination location census tract ID 2010		
ReturnHome TripFlag	Return Home Trip Flag	1=Return Home Trip	

# Appendix L: Interviewer Training Manual

Interviewer Training Manual

California Household Travel Survey

Prepared by:

Daniel Montemayor

Nustats

Prepared for:



January 2012

Acronyms

This list of acronyms will help clarify the meanings of abbreviated words:

CATI	Computer-Assisted Telephone Interviewing
CAWI	Computer-Assisted Web Interviewing
GPS	Global Positioning System
R	Respondent
HH	Household
CALTRANS	California Department of Transportation
CHTS	California Household Travel Study

### Recruitment Training Outline

- I. Project Information Sheet
  - a. Study Area
  - b. Survey website
  - c. Client number protocol (review)
  - d. Upset Respondent protocol (review)
  
- II. Travel Study Process
  - a. Advance letter
  - b. REC call
  - c. FF mail packet
  - d. Reminder call
  - e. Retrieval call  
-Travel Diary
  
- III. Advance Letter
  - a. Sent to Matched or Unmatched sample or both (update per project)
  - b. Reps read part of letter for understanding
  
- IV. Brochure
  - a. Sent with all advance letters? (update per project)
  - b. Reps read top 5 reasons
  - c. How the Respondent participates
  - d. What is the TRAVEL STUDY NAME survey? (update per project)
  
- V. One-Day Travel Diary
  - a. Explain process of diary after we recruit an assn (FF)
  - b. Review the diary for Rep, not go into too much detail. This is what the respondent receives. (please explain)
  
- VI. Top Reasons to Participate
  - a. Posting Top Reasons to Participate, for rep cubicles
  
- VII. CATI Program
  - a. Dispositions
  - b. Scenario-2 person HH, employed and student status, full address or cross streets

- c. Interviewers pair up and practice, role play

VIII. Supplemental Documentation/Training Request

IX. CATI Introduction practice

- a. Reps read intro
- b. Reps read INT06 screen (portion that explains diaries)
- c. Overturning refusals

X. Protocols for Handling Difficult Respondents/Refusal Conversion

XI. Questions and Follow-up

XII. Project Training Quiz

- a. All team members must pass before dialing

### California Household Travel Survey- Project Information

**Purpose:** The data collected from participating households will be statistically summarized to describe typical daily activities and the resulting travel patterns. For example, what people do, how they travel, where these trips come from and go to, what methods of transport are used on these trips, at what time of day are the trips made and so on. Results will help plan for the future of transportation and will be held in strict confidence.

**Qualifications:** Households will be selected for the survey by a random selection process that considers all residential addresses in the study area. All participants in the study will receive an invitation to participate over the telephone, by mail or by web. Households are not required to take part, however each household represents many other households, so your input is extremely important to the integrity of the study.

**Study Area:** The survey population will represent all households residing in 58 counties in California.

<b>PROJECT DIAL CODE:</b>	<b>SM- 2143</b>
<b>TRAINING /LIVE PROGRAM:</b>	<a href="http://voxcoweb2/survey/intweb.dll">http://voxcoweb2/survey/intweb.dll</a>
<b>PROJECT GOAL:</b>	<b>47,577 RET-NON GPS , 5100 RET-GPS</b>
<b>PROJECT HOTLINE:</b>	<b>1-877-261-4621</b>
<b>PROJECT WEBSITE:</b>	<a href="http://WWW.CATRAVELSURVEY.COM">WWW.CATRAVELSURVEY.COM</a>
<b>AVG SURVEY LENGTH:</b>	<b>RECRUITMENT (20 MIN)    RETRIEVAL (35 MIN)</b>
<b>CPH</b>	<b>0.88 –RECRUITMENT                      0.9- RETRIEVAL</b>
<b>DIALING HOURS:</b>	<b>6pm-11pm CENTRAL</b>
<b>STUDY TIME ZONE:</b>	<b>WEST</b>
<b>LANGUAGE:</b>	<b>ENGLISH ONLY</b>
<b>SURVEY MODES:</b>	<b>CATI, WEB, MAILBACK</b>
<b>PRODUCTION COORDINATOR:</b>	<b>GEORGE URIBE</b>
<b>QA COORDINATOR:</b>	<b>DANIEL MONTEMAYOR</b>

Client Information

CALTRANS

The California Department of Transportation (Caltrans) is a government department in the U.S. state of California. It is a part of the state cabinet-level California Business, Transportation and Housing Agency. The department headquarters is in Sacramento. Its mission is to improve mobility across the state. It manages the state highway system (which includes the California Freeway and Expressway System) and is actively involved with public transportation systems throughout the state. Caltrans is the state agency responsible for highway, bridge, and rail transportation planning, construction, and maintenance.

This survey is sponsored by Caltrans, the California Energy Commission, the California Air Resources Board, and the following local transportation planning agencies:

- Association of Monterey Bay Area Governments (AMBAG)
- Butte County Association of Governments (BCAG)
- Fresno Council of Governments (FCOG)
- Kings County Association of Governments (KCAG)
- Kern Council of Governments (KCOG)
- Merced County Association of Governments (MCAG)
- Madera County Transportation Commission (MCTC)
- Sacramento Area Council of Governments (SACOG)
- San Diego Association of Governments (SANDAG)
- San Joaquin Council of Governments (SJCOG)
- San Luis Obispo Council of Governments (SLOCOG)
- Santa Barbara County Association of Governments (SBCAG)
- Shasta Regional Transportation Planning Agency (SRTPA)
- Metropolitan Transportation Commission (MTC)
- Southern California Association of Governments (SCAG)
- Stanislaus Council of Governments (StanCOG)
- Tulare County Association of Governments (TCAG)
- Tahoe Metropolitan Planning Organization (TMPO)

**Project Manager Contact:**

**Vivian Masterman, NuStats (1-800-447-8287, ext. 2253)**

**email: [catravelssurvey@nustats.com](mailto:catravelssurvey@nustats.com)**

Respondents may also contact Nustats Supervisors at (1-877-261-4621) for any questions, concerns, or issues with the study. If respondents wish to be directed to our main client contact, supervisors on shift will provide client contact information.

**Informational Website: [www.catravelssurvey.com](http://www.catravelssurvey.com)**

The project website is a valuable and efficient resource for respondent questions and/or concerns regarding travel survey participation. Some key information typically available would be:

- A. Welcome page: (Purpose, Steps, why participate, about sponsors

- B. Invited to Join the Survey
- C. Reporting Travel
- D. Frequently Asked Questions
- E. Survey Materials
- F. How to Contact Us

## **Confidentiality:**

Confidentiality is of the utmost importance for all respondents and clients. Nustats strictly adheres to industry best practices in protecting the privacy of all respondents and clients through various protocols and procedures beginning with confidentiality agreements signed by all interviewers. In terms of alleviating concerns voiced by respondents, interviewers are instructed to respond, “We respect your privacy and promise to protect it. The information your household provides will be kept strictly confidential. Your name and personal information will be separated from your responses for analysis.”

## **CHTS - The Travel Study Process**

**The Travel Survey consists of 7 main stages:**

- **Sample Generation and Geocoding**-Sample will be generated and analyzed to determine the amount of sample needed to meet project goals.
- **Advance Letter** – Respondents will be mailed a letter explaining the travel survey before we call them. The purpose of this letter is to give them some information about the survey and to inform them we’ll be calling their area soon. Two different advance letters will be sent to sample records that have been (1) matched to a landline telephone number and (2) not matched to a landline telephone number. Letters in this secondary category will make reference to a “thank you” incentive. For GPS-selected addresses, the letter text will describe the unique terms of the GPS survey along with the monetary incentive. Advance mailings shall be done in batches 10 days prior to start of recruitment so that the materials arrive within a day or so of the recruitment call.
- **Recruitment Call** – The recruitment survey will be available in CATI, and via WEB. CATI surveys will be administered by interviewers with respondents via phone. Web participation will be available and self-administered. Respondents are called and invited to participate in the household travel survey. Interviewers will provide details regarding the study, and collect basic household demographic information for the household. In addition, the CATI program is designed to guide the interviewer and respondent to identify a “reference” person in each household. The person is given the responsibility of ensuring that all members of the household complete travel logs. At the conclusion of the recruitment interview, the interviewer asks the respondent to record their household’s travel for 24-hour period on a specific day of the week. Each member of the household will then be mailed a personalized travel diary. All household members will then use the diaries to record any travel that occurs for the assigned day. A portion of the matched and unmatched sample will be recruited into the GPS survey. GPS units and instructions will be delivered to the household. GPS will be deployed for a week period. The first day to carry the unit will be the assigned travel day. Recruitment shall begin about 11 days prior to the travel day.
- **Mailing Travel Diaries** – Approximately 7-10 days prior to each designated travel day, travel diaries will be mailed to all recruited households. It’s very important that we verify the respondent’s name

and address to ensure the packet arrives on time. All GPS households will receive a packet containing a GPS unit for every household member 16+ years and a diary for those under 16.

- **Reminder Call** - On the night before the respondent's travel day arrives, interviewers from Nustats will contact the respondent to remind them about their travel day and also to confirm that their household travel diaries were received. Interviewers will clarify and assist respondent's questions during the call. Interviewers will be able to direct the respondent to the project website if additional information and diaries are needed. Messages shall be left on answering machines if contact cannot be made with a household member.
- **Retrieval Call**- Retrieval for the household begins the day after the assigned travel day. Nustats interviewers contact the respondent and collect the household's travel info for that day along with long distance travel of a household member. Travel data is collected using a combination of CATI software and a map-based software program that will enable real time geocoding of locations visited on the travel day. All household members age 16 and older will complete their own diaries; proxy reporting will be accepted for persons under the age of 16. The reference person shall be able to give travel data for other adult household members only when the travel diaries are present. Built in functions within the CATI program will be able to prevent inaccurate reporting. The retrieval survey can be administered through phone, via the web, and by mail-back.

#### **CHTS – Example of Advance Letter (matched)**

The pre-notification letter describes the survey objectives, identifies what they survey entails, provides a project website address, provides a 1-800 toll free number, and specifies a password-protective link to an Internet version of the recruitment questionnaire. An example is provided below:



**Are you concerned about traffic? Do you need more or better options for getting around?**

You can help shape the future of transportation in the state by participating in the *California Household Travel Survey*.

The results are used to make decisions about how to spend limited transportation funds wisely. Your participation will help improve car, bus and train travel options, as well as air quality.

The survey is sponsored by Caltrans, the California Energy Commission, the California Air Resources Board, and local transportation planning agencies, and is being conducted by NuStats, a professional survey firm. When you participate, your household represents thousands of other households in the state.

The way it works is simple:

**Step 1**

- 1) **Complete a Household Questionnaire within 10 days of receiving this letter.**

To do this, go to [www.catravelssurvey.com](http://www.catravelssurvey.com). Click “Start Here” and enter PIN#: 1234567AB  
Or, call us at 1-877-261-4621, or an interviewer from NuStats will call you in a few days.

**Step 2**

- 2) **Record your travel and activities on an assigned day.**

After you complete Step 1, we will mail a Travel Diary for each person in your household. Each person should carry their Travel Diary for the assigned 24-hour period to record details about their travel and activities. We ask that a parent or guardian complete the diary for anyone under age 16.

We will also provide one Long-Distance Travel Log, for your entire household, to record any additional trips made to locations over 50 miles away from your home.

- ▶ **GPS Travel Information:** Your household may also be selected to use GPS devices to collect additional travel information. If selected, we will provide either wearable GPS devices for adult household members or GPS devices for use in each of your vehicles. Instructions will be provided.

**Step 3**

- 3) **Report your travel information.**

Use your travel diaries and long-distance log to report travel information online, by phone, or by mail.

Households selected to use GPS devices (wearable or in-vehicle) may be eligible to receive \$25 per device. Some households selected to use the in-vehicle GPS devices may also be asked to use an engine sensor to collect additional vehicle information; these households may be eligible to receive an additional \$15 per vehicle. *\*To be eligible, households must use the GPS devices (and sensors if applicable) as instructed and report travel information for all.*

We take your privacy very seriously. All information collected will be held strictly confidential and used only in combination with information provided from other participating households.

Please visit our survey website, [www.catravelssurvey.com](http://www.catravelssurvey.com), for more information. If you have other questions, please call our toll-free survey hotline at 1-877-261-4621. Thank you in advance for joining us as we plan for the future of transportation in California.

Sincerely,



Vahid Nowshiravan, Project Manager

## How do you participate?

Follow these 3 easy steps...

### Step 1 Complete a Household Questionnaire

Go to [www.catravelssurvey.com](http://www.catravelssurvey.com) to complete this step online.

You may also call us at 1-877-261-4621 to participate by phone.



The demographic information collected in Step 1 helps ensure that we get input from all types of households.

### Step 2 Record your travel and activities on an assigned day

We will mail each household member a Travel Diary to record all the places they go and activities they do for one day.



We will also provide a Long-Distance Travel Log to record additional trips made to locations over 50 miles away from your home.

We may also invite your household to take part in a GPS portion of the survey.

### Step 3 Report your travel information

After your travel day, report your household's travel information online, by phone, or by mail.



## Do you want to participate or have more questions?

Visit the survey website:

[www.catravelssurvey.com](http://www.catravelssurvey.com)

Call the toll-free survey hotline:

1-877-261-4621

Or send an email to:

[catravelssurvey@ptvnustats.com](mailto:catravelssurvey@ptvnustats.com)

Survey conducted by:

PTV NuStats

Survey sponsored by:

Caltrans, the California Energy Commission, the California Air Resources Board, and the following local transportation planning agencies:

- Association of Monterey Bay Area Governments (AMBAG)
- Butte County Association of Governments (BCAG)
- Fresno Council of Governments (FCOG)
- Kings County Association of Governments (KCAG)
- Kern Council of Governments (KCOG)
- Merced County Association of Governments (MCAG)
- Madera County Transportation Commission (MCTC)
- Sacramento Area Council of Governments (SACOG)
- San Diego Association of Governments (SANDAG)
- San Joaquin Council of Governments (SJCOCG)
- San Luis Obispo Council of Governments (SLOCOG)
- Santa Barbara County Association of Governments (SBCAG)
- Shasta County Regional Transportation Planning Agency (SCRTPA)
- Metropolitan Transportation Commission (MTC)
- Southern California Association of Governments (SCAG)
- Stanislaus Council of Governments (StanCOG)
- Tulare County Association of Governments (TCAG)
- Tahoe Metropolitan Planning Organization (TMPO)

Caltrans contact:

Vahid Nowshiravan, Project Manager

1-916-654-5089

email: [catravelssurvey@dot.ca.gov](mailto:catravelssurvey@dot.ca.gov)



## CALIFORNIA Household Travel Survey

With your help,  
we can improve  
transportation!

[WWW.CATRAVELSSURVEY.COM](http://WWW.CATRAVELSSURVEY.COM)  
HOTLINE TOLL-FREE: 1.877.261.4621

## CHTS– Top Reasons to Participate

- **Your future.** In order to plan for the projects of tomorrow, we need to know how and why people move around and use transportation system today.
- **You are important.** Your household was picked to represent households like yours across the state.
- **You can make a difference.** Your travel information will help build a complete picture of local transportation needs, so decision-makers can make the best recommendations for improvements.
- **We need to spend transportation funds wisely.** Accurate information will help ensure that our limited transportation funds are spent where they are needed most.
- **Your input can improve everyone’s quality of life.** Smart investments in transportation will improve our state’s economy and environmental impact through better access to jobs and housing, reduced traffic congestions, and increased mobility.
- **We appreciate your time.** Your time and input now can provide years of benefit.

## CHTS– One 24 hr day Travel Diary

Personalized travel diary logs are mailed to each household member. Diaries are to be received prior to the assigned travel date. A reminder call is conducted prior to the assigned travel date to ensure the diary was received, remind the respondent of the assigned travel date, and to answer any questions the respondent may have.

- All household members are requested to use the travel diary to record their trips. Proxy reporting is okay for children less than 16.
- Interviewers will at all times confirm the spelling of first and last name in the recruitment interview to ensure materials are addressed to the referenced person within the household.
- The diary packet will be addressed to the head of the household, but personalized diaries are provided for each household member for their assigned travel date. First and last names are preferred, but initials can be used if preferred so that we can ensure the diaries are labeled for each household member.
- Interviewers will confirm the mailing address to ensure the travel diary arrives at the correct location and is received before the assigned travel day.
- Diary instructions will explain in depth how the diaries are to be used to record information about all the places you visited on respondents' assigned travel day. They will specify the need to record all places visited, the type of place, time of arrivals, and departures, mode of travel to each place, other travel information, and activities at each place.
- The assignment date for travel, also known as the "ASSN" or cohort will be documented on the diary as a reminder of the assigned travel date.
- Blank Diaries can be downloaded through the project website:  
<http://www.catravelssurvey.com/welcome.aspx>
- Examples and instructions are also provided in the diaries and at the project website.

**PLACE  
2**

**A** What time did you ARRIVE at this place? (Record exact time)  :  am / pm

**B** WHAT is this PLACE?

My Home  
 My Primary Job  
 My School  
 My Second Job  
 Transit Stop (bus or rail)  
 Other Place

Name of Place:

Street Address or Nearest Cross-streets:

City (Colonia):  State:  Zip Code:

**C** HOW did you TRAVEL there? (Write code from LIST 1)

How many other people traveled with you? (Don't include yourself)

Of those, how many were household members?

Which household members?  P1  P3  P5  P7  
 P2  P4  P6  P8  
 (Use person #s from label)

**D** If you traveled by PRIVATE VEHICLE:

Which household vehicle did you use?  
 (Year / Make / Model):

Did not use a household vehicle

If you parked at this location, where did you park?  
 Did not park  Street  
 Parking lot  Driveway / Personal garage  
 Parking garage  Other:

What are the nearest cross-streets to this parking location?

How much did you pay to park?  
 \$  per   Did not pay

How did you pay for parking?  
 Cash / credit / debit card  
 Pre-paid parking pass  
 Employer provided parking pass  
 Other:

How much did you pay out-of-pocket to park that was not reimbursed by your employer? \$

If you traveled by PUBLIC TRANSIT:

What transit system did you use?

What was the route or line number or name?

**E** What ACTIVITIES did you do there? (Write up to 3 codes from LIST 2 on the flap of the back cover and the start and end times.)

Code: Specify if code "38":

Activity 1:   Start:  :  am / pm End:  :  am / pm

Activity 2:   Start:  :  am / pm End:  :  am / pm

Activity 3:   Start:  :  am / pm End:  :  am / pm

**F** What TIME did you LEAVE this place?  :  am / pm → Move on to the next PLACE  
 I didn't leave this place → You are DONE. Thank You!

## CATI Program Review

The CATI program review involves hands-on training with the program and practice to ensure that interviews are conducted within the strict design structure intended. Interviewers will run through the program to get practice and familiarize themselves with the introduction, each question, and how the interview design flows. Role- playing will involve different household scenarios and different demographics to simulate a “live” dialing experience to the extent possible.

Log on procedures – Each interviewer will be assigned an interviewer identity number to access the program. Each call record can be tracked to the interviewer for review or past call attempts.

Explanation of current dispositions or call outcomes:

OK-CONTINUE

WC- WILL COMPLETE ONLINE

KH- CALLBACK GENERAL

KB- CALLBACK SPECIFIC

KL- CALLBACK ON LANDLINE

KN-NEW NUMBER

NA-NO ANSWER

AM-ANSWERING MACHINE

LM-LEFT MESSAGE

BZ-BUSY

PM-CALLER ID

SH-SPANISH CALLBACK, GENERAL

SB-SPANISH CALLBACK, SPECIFIC

SN- SPANISH NO ANSWER

SA-SPANISH ANSWER MACHINE

SZ-SPANISH BUSY

IG-BUSINESS GOVERNMENT

IL-LANGUAGE BARRIER (OTHER), DEAF, TTY

IA-LANGUAGE BARRIER, ASIAN LANGUAGE

IL-LANGUAGE BARRIER, OTHER LANGUAGE

ID-DISCONNECT

IM-FAX MODEM

RH- HANG UP

R1-FIRST REFUSAL

RF-FINAL REFUSAL

RC-REFUSES TO CONTINUE ON CELL PHONE

CP- PARTIAL COMPLETE

RP-PARTIAL COMPLETE REFUSAL

SP-SPANISH PARTIAL COMPLETE

QO-OVER QUOTA

Explanation of each question and choices follows- As a reminder

reading verbatim is very important and is needed to ensure the respondent hears and understands each question in an unbiased manner.

Choice Clarification- Large, fully capitalized words indicates to interviewers that such text does not get read but is there to guide them through key sections or to provide supportive text that may be needed depending on respondent questions or responses. Small cap words indicate the interviewers read the choices to the respondent.

## **Supplemental Training/Common Interviewer Questions**

### **Does everyone in the household have to participate?**

Yes, everyone in that household **MUST** participate in order for this to be a valid complete. If a respondent tells you that their spouse will not participate then we must rebuttal efficiently and explain the importance of

the survey. If they still inform you that they won't do the travel logs then we cannot continue with the survey. We need to collect information for every household member.

**If I have a respondent on the phone and notice there is a pattern of refusals, should I continue with the survey?**

No, if we notice a pattern in refusals then we want to end the survey immediately, more than likely they will have an issue providing more detailed information at the retrieval stage.

**I have enough info to complete this survey but the person told me they weren't interested. Should I complete it?** No, you shouldn't. While completing the survey is very important, data quality should also be taken into account. If you force a survey to go through and we never contact the respondent because they told you they didn't want to record their travel, you have wasted valuable time.

**Respondents I call seem wary and suspicious of the call, how do I break the ice?** The key to gaining cooperation is to give respondents a reason to stay on the phone. The tone of your voice, your ability to answer questions about the study with ease will help you educate your respondent. It is better to provide your first name when you introduce yourself to bring the interview to a personal comfortable level. You need to be able to explain who the client is, why you are calling, how the data you are collecting will be used, assure confidentiality, and provide contact/project website information when requested. The worst thing you can do is to sound like you are reading a script. Good interviewers will engage and guide respondents in a scripted conversation rather than just reading a script.

**Some respondents are asking me how to verify what I'm saying is true, how do I do that?** The best way to do this is to offer them access to additional information by calling a travel study hotline, giving them access to the project website or by referring them to the client or a project manager.

**Do I need to collect children's information?** Absolutely! We are interested in the travel patterns of **all household members**. Travel patterns of a married couple with no children are very different from a couple with children. Also, children have their own travel patterns that affect their parent's travel.

**Do I need to collect school address information if children are out for the summer?** Yes, although many children are not in school during the summer or between breaks, we are looking for habitual travel locations. While children may not go to school for 3 months out of the year, they are going to these locations the other 9 months and we need to have their information in order to have the most accurate picture of habitual travel for the areas we are currently collecting travel information.



**If a respondent does not want to provide work/school address information, what do I do next?**

You must collect cross-street information, if that information is not provided then you must verify with the respondent that this information will be collected in the travel diary and at the retrieval call. This information must then be recorded in notes and should only be accepted from strong recruits.

**What do we mean by “Travel”?** By travel we mean daily commuting by car as a driver or as a passenger or by other means such as public transportation. We do not mean going on vacation trips, on a cruise or out of town at all.

**If a respondent says that they do not travel what do I say?**

Let the respondent know that it does not mean taking extensive trips, their travel habits will be representative of others in their region, and daily travel is what we are looking for.

**Do I need to be accurate when collection work and school locations?** Yes, as explained before this is a location based travel behavior survey. We are interested in locations. We want to locate these places in a map and the starting point is a good name. So you need to be exact when collecting the name of the places they work and go to school at.

**If a respondent says that their work/school location varies, what do I do next?**

Then we must collect the main office/location in which the respondent works at most of the time.

**Do I need to collect full address information?**

Yes, you must collect FULL address information at all times, if that is not possible then you must probe to collect cross-street information. Make sure to leave the address box blank when collecting cross streets and put the cross-street information in its appropriate screen. No PO BOXES are allowed for home, work, and school addresses.

**Why do we ask about Telephones?** Most recent household travel studies have employed random telephone samples, which means that non-telephone and cellular-only households are excluded from the sample. Since our research aims to represent all types of households, it is very important to determine if the phone number associated with each piece of sample is a landline or a cell phone. In addition to this, we want to know what

areas may have more land-based coverage than cellular coverage so that we know the best way of securing participation in that area (passive vs. active recruitment). There are also differences in travel patterns that have been documented that are associated to households having or not having a landline. It has been found that households without cell phones will not travel as much as those with cell phones.

## Full Study Incentives

### 1. GPS sample incentives:

- \$25 per wearable device provided (wearable sample, all adults 16-75 years old) – cap at max \$75
- \$25 per in-vehicle device provided (GPS vehicle sample, up to 3 vehicles)
- \$40 per OBD/GPS device set provided (GPS/OBD vehicle sample, up to 3 vehicles)

### 2. Non-GPS sample incentives:

Non-GPS sample incentives is the maximum amount of the following items if the non-GPS sample meets multiple incentive criteria.

- \$20 per household who is recruited online and retrieved on line.
- \$20 for 50% Young Household where the maximum age of the household members is less than 35.
- \$20 for 25% Low income household where the household income is less than \$25K
- \$20 for 75% Hispanic household where any one of the household member is Hispanic
- \$30 for 50% Large household where the household size is greater than 3

#### Note:

1. For GPS sample, only the households who complete both diary retrieval and GPS components (including return of the instruments to GeoStats) are eligible for incentives
2. For Non-GPS sample, only the households who complete diary retrieval are eligible for incentives

GPS incentive will be issued when both diary portion and GPS portion are completed, and we (NuStats) will process the GPS incentive.

## Introduction Training

- Interviewers are expected to be professional at all times
- Interviewers should not sound monotone
- Interviewers should read in a conversational way
- Interviewers should portray a positive attitude
- Interviewers should read at a steady pace but not too quickly; always be attentive to respondent reaction and adjust talking speed as appropriate

Each interviewer is evaluated on how they read each introduction based on the above criteria. A professional delivery approach for the main introduction and any explanation screen is required. The following introduction screens are examples of where it is vital to follow the protocols for reading the introduction.

### INTRO

Hi. I'm calling about a travel survey that Caltrans is conducting in your area.

May I speak with an adult age 18 or older?

ADULT ON PHONE:

We are calling people across California to ask about their travel. Your answers will help Caltrans improve transportation by telling them how and where people travel in your area and around the state. We are asking about all types of travel, including car, bus, train, walk, bicycle and airplane. Your answers are completely confidential and will only be used for research.

### INT10

Thank you. We asked these questions to help us to make sure we are talking with all types of households. An important part of this study is to understand why, when, and where people travel in California. To do this, we're asking households to write down their travel for a 24-hour period. If you could help us with this study, we'll ask you some more questions about your household today. Then we'll ask for some details about each person in your household so we can print a personal travel diary for each person. We will mail the diaries to you so everyone can record where they went and how they got there for the assigned travel period.

We will also mail you a separate log to record long distance travel.

Everything asked will be used for travel, fuel use and air quality research purposes only and will be held in strict confidence.

## Refusal Conversion

Due to the nature of this recruitment effort and the tendency for potential respondents to often provide initial, typical reasons not to participate, interviewers are expected to make consistent but professional efforts to overcome initial soft refusals. Interviewers will focus on quickly educating respondents on the purpose and benefits of participation in the study as well as overcoming any concerns or fears that potential respondents may have. Remaining professional at all times as well as friendly and courteous are all stressed as part of this crucial training. Interviewers are always taught to be tactful, pleasant, sincere, and well prepared. Interviewers are expected to attempt to find out the reason for the refusal and work with it from that aspect. Some of the most common refusals are listed below with some quick appropriate responses:

First we educate and define our project purpose:

***The goal is to help the region's transportation planning organizations answer important questions about travel in the region. This effort will help us update travel information on a similar study from 1998. Survey results will be used to make decisions on transportation investments in our region.***

Common Refusals

I'm not interested.

How long is it going to take? I don't have time.

I don't travel often. I don't ever leave my house.

I don't use public transportation.

I'm on the do-not-call list; take me off your list.

How did you get my number?

I'm happy with my current transportation.

Who's sponsoring this study? How do I know the validity of this survey?

***Just a reminder: Quick responses are imperative. Remain professional at all times. In most cases respondents are not aware of the purpose of the study and how they can benefit future transportation.***

*How do we respond? Refer to the cheat sheet below.*

## **Refusal Conversion Cheat Sheet REC**

### **Not interested**

Sir/Ma'am, your participation is important because it will help lead to transportation improvements that will affect your community for the next 10-20 years.

#### **How long is it going to take? I don't have time.**

Sir/Ma'am, this will only take 10-15 minutes depending on your answers. If you don't have the time at this moment, we can set up a callback at a time that is most convenient for you.

#### **I don't travel often. I don't ever leave my house.**

Sir/Ma'am, although you may not travel often, trips such as, walking to your neighbors, being a passenger in a vehicle going to a grocery store or even just walking the dog around the area will represent others that do little to no travel as well.

#### **I don't use public transportation.**

Sir/Ma'am, well, that is definitely fine, this travel survey is for all types of transportation that is done in your area. This includes walking, biking, driving, and passenger in vehicle and public transportation of course.

**I'm on the do-not-call list; take me off your list.**

Sir/Ma'am, I do apologize for this inconvenience, but the do-not-call list does not pertain to us. We are not soliciting or selling anything. This is a call asking for your participation in this important travel survey that will improve your community.

**How did you get my number?**

**Matched:** Sir/Ma'am, your number was randomly selected from a local directory to ensure every household has an equal opportunity for participation in this important study. We were contracted based on our expertise in travel survey research.

**Unmatched:** Sir/Ma'am, your number was randomly generated using local area codes. We are calling from NuStats. We were contracted based on our expertise in travel survey research.

**I'm happy with my current transportation.**

Sir/Ma'am, even if you are happy with your current transportation, your feedback is important. It will be used to continue to make transportation choices that will benefit your community.

**Who's sponsoring this study? How do I know the validity of this survey?**

Sir/Ma'am, this survey is being sponsored by the California Department of transportation which is responsible for transportation planning in your community. If you need more information you can call our hotline number or visit our website.

**Protocols for Handling Difficult Respondents**

***How do we handle a call where the Respondent is insecure and wants more information about the study?***

- 1) Offer the project website for additional information.  
[www.catravelssurvey.com](http://www.catravelssurvey.com)
- 2) Offer Nustats Supervisor assistance/ Project hotline phone number.  
1-877-261-4621
- 3) Offer our project manager contact.  
Vivian Masterman, NUSTATS, (1-800-447-8287, ext 2253)

***How should you handle a respondent that is difficult to speak with, even after you provide additional information as noted above, or who asks to speak with someone else?***

**Interviewers can ask for a Nustats Supervisor to take over the call and assist the respondent with any further questions. If respondents do not want to speak with a Nustats supervisor then the next step is to refer them to the project manager. In addition the website will be referenced so that the respondent can be informed about the study.**

**Interviewer Notes: It is important to leave detailed interviewer notes. Document the call record through the interviewer note F8 in situations where the respondent is very difficult and wants to issue out a complaint about the study or receiving a call.**

## Q and A

### California Household Travel Survey Quiz

1. What agency is sponsoring the study?
2. What is the purpose of the study?
3. Who is the project manager?
4. Do we have a website that a respondent can look at?  
Yes No
5. Where is the website located in your materials?
6. Why do we ask for children's information in the household?
7. Why do we ask for the income of the household?
8. Why do you need to know respondents' names?
9. What if a respondent does not wish to provide a name?
10. Overall what are we asking the respondents to do for us?
11. How do we handle a call where the Respondent is undecided and wants more information about the study?

What would we offer first? \_\_\_\_\_

What would we offer second? \_\_\_\_\_



What would we offer third? \_\_\_\_\_

12. How should you handle a respondent that is difficult to speak with, even after you provide additional information as noted above, or who asks to speak with someone else?
13. Does everyone in the household have to participate?
14. What incentive is being offered and to whom?
15. Does everyone in the household get an incentive?

## **Retrieval Training Outline**

- I. How Do I Provide My Travel Information
- II. Retrieval Protocols
- III. Reminder Call Process
- IV. Proxy Protocols
- V. Difference between RD- reconstructing a travel day, RT –rescheduling
- VI. Introduction and Dispositions
- VII. CATI Review
- VIII. Trip Builder
- IX. Diary Example

X. Retrieval Demonstration / Retrieval Practice

XI What is Valid Travel?

XII QA

## How Do I Provide My Travel Information

Respondents have three ways to provide their travel information.

- Phone-Respondents can keep the completed diaries by the phone and we will call them to collect the information. Or, they can call our toll-free survey hotline **(1-877-261-4621)** to provide their information.
- Mail- Respondents can return completed diaries in the postage-paid envelope provided in your packet in their packet. We may need to call them to clarify or collect any missing information.
- Online- Respondents can enter their information online at [www.catravelssurvey.com](http://www.catravelssurvey.com) using a PIN# printed on the label on the front of the diary.

## Retrieval Protocols

Retrieval of travel information will be interviewer-mediated (CATI) or respondent self- administered (internet and mail). CATI retrieval shall begin the day after the travel and shall continue no more than 7-10 days past the travel day period. Possible exceptions include large households or those with a lagging household member.

The result of each telephone contact attempt will be one of seven outcomes:

- Complete: The household is completed when 100% of all adults age 16 and older have provided their travel information (non-proxy), and information has been collected on all non-adults (via proxy or not).

- Proxy: Travel data has been collected from some but not all adults and / or from all non-adults (via proxy or not). After three contacts without getting adult's information, a proxy report will be accepted for the adults in the household. *"May we call back to speak directly to Bob to get the answers to questions you weren't able to give us".*
- Partial: There is household, person, vehicle, and trip/activity information for all (n) household members who are employed, in school or day care, and there is complete activity for (n-1) members. The purpose of this definition is to provide a mechanism for retaining data from larger households in which a single person may not report travel/activity data. Partial trip records will be accepted only for those households with four or more members.
- Some household members will not travel on their assigned travel day. This is acceptable because it is reflective of what happens in reality. At the same time, some respondents will report "no travel" as a way of reducing their personal reporting burden. For this reason, standards are set for percent of households (no more than 10 percent) and percent of people (no more than 18 percent) that may report "no travel." These percentages will be monitored during data collection, and the reason for "no travel" will be captured to assess the plausibility of no travel given the person's age, employment, school, disability status, and other relevant variables.
- Refusal: Initial soft refusals will be re- attempted one time during a five-day period for one refusal conversion attempt. On the second refusal, sample will be rested and recycled after a period of three months. When sample is recycled and subsequently re-contacted, if amenable, recruitment data will be verified (to see if anything has changed) and a new travel day will be assigned.
- Appointment Callback: *Consultant shall ensure that all callback appointments are met.*
- Non-contact: All non-contact samples will be called at least one alternate time during the present shift; and then on different days of the week and different times of the day. Voicemail messages will be left on answering machines informing the respondent that a telephone attempt has been made and directing the respondent to the website to schedule an interview appointment (this will be unique from recruitment) or to a toll free number for the interview..
- Hang-ups: Hang-ups will not be treated as an initial refusal. Hang-ups will be treated like a non-contact.

## Reminder Call Process

Reminder /support calls will be placed to all households within 2 days prior to their assigned travel date. Scripted messages will be left on answering machines and cell phone voicemails when household members cannot be reached.

Example of the reminder call:

*I was just calling to remind you that your household will be participating in the California Household Travel Survey tomorrow and also to see if you had any questions about the study. Please keep in mind that each member of your household must record all their trips on DATE.*

Explanation of current dispositions or call outcomes:

RC- reached respondent

KA- Requested Callback after 1<sup>st</sup> Retrieval Day

RN- No Answer

RZ- Busy

RA- Answer Machine

LM- Left Message (used on the second non-contact attempt for voice mail)

ID- Disconnect

IM- Computer/Fax Machine

IG- Business Government

PM- Caller ID

RR- Reminder Refusal

RH- Hung Up (W/O a word)

RW- Wrong Number, Need to Research

MV- Respondent has Moved

During the reminder call if the respondent did not receive the diary packet, interviewers will provide the respondent the project website to download logs. The home address and mailing address is also verified before ending the call.

## Proxy Protocols

Interviewers are required to speak to each person 16 years of age or older for a household to be accepted as a complete. There are only two instances when a household can be completed with Proxy data: 1) information for the missing adult exists in a completed travel log and another person is willing to read off the recorded information, 2) the travel data can be obtained through the GPS unit. In both situations we are required to make a minimum of three call attempts within a seven-day period before a household can be finalized as a complete with proxy data.

When the household has received enough call attempts to be considered a valid Proxy Complete the program will “release” the record for completion on the next call attempt. At that time the representative knows to accept travel information.

## Reconstruction

Reconstruction- can be conducted if the respondent did not fill out the travel diary. Effort to reach every adult in the household is required.

## Introduction / Dispositions

The introduction for the retrieval CATI program asks for the reference person or the person we spoke with during the recruitment interview. Incentive text reminder is mentioned if the respondent was offered an incentive. Below is an example of the introduction:

*Hi - this is \_\_\_\_\_ and I'm calling about the California Household Travel Survey. We recently spoke with \_\_\_\_\_ and are calling back now to complete the interview.*

*NO: Can I speak with her/him?*

Explanation of current dispositions or call outcomes:

OK- Continue the survey

RD- Reconstruction of travel day

CE- Entering a mail-in

ML- Respondent will mail in logs

LR- Logs received

NA- No answer

BZ- Busy

AM- Answer machine

LM- Left message

ID- Disconnect

IM- Computer / Fax machine

IG- Business government

PM- Caller ID

IW- Wrong number, need to research

KB- Specific callback

KH- General callback

K1- Proxy callback 1

K2- Proxy callback 2

K3- Proxy callback 3

KL- Callback on the landline

K5- Callback in 5 minutes

KN- New number (have new number)

SH- Spanish Callback, household

SB-Spanish Callback, respondent

SA- Spanish answer machine

SZ- Spanish busy

SN- Spanish no answer

RT- Reschedule, callback

RM- Reschedule, need to re-mail, callback

R1- 1<sup>st</sup> refusal

RF- Final refusal

RX- Refused proxy

RH- Hung up (w/o a word)

## Refusal Conversion Cheat Sheet

### **“I am not interested/don’t feel their info is valuable.”**

Sir/Ma'am, we really need your help. By reporting your travel for your assigned day, it will help lead to future transportation improvements. We would like to represent all households within your community so that travel improvements in your area can be reflected.

### **“I don’t have time to do it/don’t want to be called again.”**

Sir/Ma'am, when will be better time to call you to collect the information?

(If doesn't have the time)-By the way if time is a factor, we have options of mailing back your diaries to us, or you can enter in your information through the website that is printed on the log.

### **“I never received the diaries.”**

*(If the travel day was yesterday)* Sir/Ma'am, do you recall your travel from yesterday? We can walk you through the questions over the phone if you can recall the places you visited.

*(If cannot recall travel and have access to Internet)* You can also download your diaries from the project website.

*(If cannot recall travel and do not have access to Internet)* We can remail another set of diaries for a different travel day. Let me verify your address so that it will be mailed out correctly.

### **“I didn’t travel that day. I don’t want to do it.”**

Sir/Ma'am, if you didn't travel that day, we can still collect your information we just have a couple of questions for you.

Sir/Ma'am, by reporting your travel on your assigned day, you can help improve transportation in your area.

**"I will do the diaries, but my spouse and children will not participate."**

Sir/Ma'am, can you talk to the other members in your household and let them know the importance of the study? We want to get a representative sample of all households in the community. I can give you the hotline number and website for them to refer to if they have any concerns.

**"I received the materials, but it was too much to fill out the diaries."**

Sir/Ma'am, do you recall your travel from assigned travel day? We can walk you through the questions over the phone if you can recall the places you visited.

*(If did complete the diaries)* You can also send back the diaries in the postage paid envelope provided with the logs or you can complete your travel information online.

**"I already completed the survey."**

Sir/Ma'am, we conducted a telephone interview to collect household information before sending out the diaries. Have you completed the travel diaries?

**"I can tell you what I did yesterday (or on a typical day)."**

Sir/Ma'am, we would like to collect the travel for your assigned day. If you can recall the places you visited on your assigned travel day, we can walk through the questions over the phone. If that was not done, we can reschedule the household for another date with the same day of the week.

**"I don't remember agreeing to participate in this study."**

Sir/Ma'am, your information will help improve transportation in your area and will represent all households within your community. We would like to collect your travel information for a 24-hour period that you were assigned. Is it possible to remember the places you traveled to?

**"I don't travel much/don't drive/use public transportation."**

Sir/Ma'am, we want to collect all types of travel, even if you walk down the street to the store or ride your bike for travel. We want to represent all types of travel for this study.

**"Why do I need to give you my travel information?"**

Sir/Ma'am, by giving us your travel information, we can analyze the areas you are traveling to the most to make future transportation improvements. We want to get a representative sample of all households in your area that do travel. We want to collect information from households that travel by car, transit, and even walking or biking.



*(If they don't want to give their information over the phone)* You can send back the diaries in the postage paid envelope provided with the logs or you can complete your travel information online.

**“Is my information going to remain confidential? I don't want anyone to know where I travel throughout the day.”**

Sir/Ma'am, all your information will be used for research purposes only and remains confidential. The travel information you provide will be used to make transportation decisions in your area for creating future roads, sidewalks, and bike lanes. All households have different travel patterns and information for you and others will help make those decisions.

## **CATI Review**

Interviewers undergo hands on training to understand the functionality of the retrieval program. Each question and choices are thoroughly reviewed.

This includes the following:

- Places you visited. The place name, exact address and or cross-streets, city, state, and zip are critical for analyzing areas with traffic congestion. This includes any location you travel to, no matter how long you are there. Examples of places include stopping for gas, drive-thru window, dropping off or picking up someone, going to work, walking to lunch or driving to a meeting during your workday, biking to the park, attending a sporting event, etc. If you ride the bus/train or carpool/vanpool, then please record each bus stop, train station, or carpool/vanpool meeting place where you get on or off as a separate place.
  
- Exact times you arrive and leave each place
  
- Activities or what you do at each place
  
- Mode. How you travel to each place?

The retrieval program will include the following variables to be considered as a complete:

- Household variables
- Person variables
- Vehicle variables
- Trip / Activity variables

## **TripBuilder**

TripBuilder is our software that is designed to map all locations visited and captures details about each location. The following components and basic structure includes:

### Trip Summary: (all places)

Location name is entered

Mode- how they traveled there

Arrival time

Departure time

Duration in minutes- how long the trip took

### Functions:

Insert Before- allows to insert a trip before a place in the case the respondent forgot to report.

Insert After- allows to insert a trip after a place in the case the respondent forgot to report

Add New Place- allows to start the next location the respondent visited

Remove Place- allows you to delete a place that is wrong

Search- Allows you to see results of the address or cross streets of a place visited

Edit location- Allows you to reenter the location name, address, or cross streets

Previous Place- allows you to view the previous place details

Next Place- allows you to view the next place that was entered

Submit- TBD

Add New Location- TBD

Undo- allows you to erase the last change made

Redo- allows you to redo the last change made

Done- allows you to submit all recorded places

Map Functions:

**Zoom All- allows you to view all recorded places**

Zoom to Place- allows you to view a recorded place

Set Location- allows you to select a place on the map

Pan- allows you to maneuver the map left, right, up or down

+, - allows you to zoom in or zoom out

Help Tool- Click Zoom All to view all of the places you've visited. Click Zoom to Place to zoom into the map to see the selected place. Click on Set Location then click on the map to set the current place's coordinates on the map. You can also drag and drop the currently selected place on the map to adjust its location.

Fields:

Is it a common location- records and saves places that are common for the respondent includes work, volunteer, and school locations.

Previously visited locations- records and save places previously visited in the case it is needed for a future place or for another respondent.

Location Name- allows entry for the name of the location

Address- allows entry of an address

Intersection- allows entry of cross streets

Search- provides results for addresses or cross streets entered

[Tripbuilder Tutorial available \(see attachment\)](#)

## Diary Example

Respondent have the option of mailing in their travel information. In addition to informing the respondent how to provide their travel information and diary instructions, the following information for each place is

**PLACE 2**

**A** What time did you ARRIVE at this place? (Record exact time)  :  am / pm

**B** WHAT is this PLACE?

My Home  
 My Work  
 My School  
 Transit Stop (bus or rail)  
 Other Place

Name of Place:   
 Street Address or Nearest Cross-streets:   
 City (Colonia):  State:  Zip Code:

**C** HOW did you TRAVEL there? (Write code from LIST 1)   
 How many other people traveled with you? (Don't Include yourself)   
 Of those, how many were household members?   
 Which household members?  P1  P3  P5  P7  
 P2  P4  P6  P8

**D** If traveled by PRIVATE VEHICLE: **OR** If traveled by PUBLIC TRANSIT:

**Private Vehicle Section:**  
 Which household vehicle did you use? (Year / Make / Model)   
 Did not use a household vehicle  
 If you parked at this location, where did you park?  
 Did not park  Street  
 Parking lot  Driveway /  
 Parking garage  Personal garage  
 Other:   
 What are the nearest cross-streets to this parking location?  
  
 How much did you pay to park?  
 \$  per   
 Did not pay  Continue

**Public Transit Section:**  
 What transit system did you use?  
  
 Route or line name / number:  
  
 How did you pay the fare?  
 Cash  Ticket  
 Token  Transfer  
 Pass: Type:   
 Law Enforcement (no pay)  
 Other:   
 What type of fare was it?  
 General Public / Adult  
 Senior  
 Youth / Student  
 Disabled / Medicare  
 Resident Fare  
 Other:

**E** If you didn't travel by private vehicle, why not?   No vehicle available

**F** What ACTIVITIES did you do there? (Write up to 3 codes from LIST 2 and the start and end times.)  
 Code: Specify if code "38":  
 Activity 1:  Start:  :  am / pm End:  :  am / pm  
 Activity 2:  Start:  :  am / pm End:  :  am / pm  
 Activity 3:  Start:  :  am / pm End:  :  am / pm

**G** What TIME did you LEAVE this place?  :  am / pm → Move on to the next PLACE  
 (Please record exact time)  I didn't leave this place → You are DONE. Thank You!

obtained.

## Retrieval Demonstration

Nustats Supervisors demonstrate for interviewers how to perform a retrieval call using the CATI program. Interviewers are expected to conduct the interview with a steady pace to minimize respondent burden. Respondents will provide travel information from the diary in most cases. Demonstration will include starting with our CATI program and opening up a Trip Builder program to capture details about each place.

## Retrieval Practice/ Role Play

Mock interviews are also conducted to ensure interviewers have the practice time and experience with the CATI program. The following travel scenarios are used to capture typical travel patterns.

- Person Stayed home on travel day
- Person was out of area
- Loop trip
- 1 person traveled, 2 people traveled
- Person traveled by walking
- Person traveled by auto
- Person traveled by transit (highly focused and emphasized)

## What is Valid Travel

Whether diary or GPS, all out-of-home activities for all household members will be collected during retrieval. The definition of an out-of-home activity is a “change of address or building.” So travel from one address to another is captured, such as home to work. However, travel from the parking garage of one’s employment (same address) is not captured. Movement from floor 12 to floor 1 of the same office building is not captured. If at a shopping mall, movement among stores is not captured, whereas travel to and from the shopping mall is captured. Travel from an alighting bus stop to one’s employment (different address) is captured. Trip making will include all motorized and non-motorized modes, including walking and biking. Loop trips-that is trips that start and end at the same location such as walking for leisure around the neighborhood with no real destination point- will be captured by GPS but not delivered as a trip. Another criterion for the capture of a walk trip is that the walk trip must be longer than 5 minutes. A walk to visit a next-door neighbor might also be captured if it occurs outdoors.

## Q and A

# Appendix M: Definition of a Complete

## Definition of Complete Survey

(Based on CHTS Administrative Committee Meeting - June 13, 2012)

The following definition for a completed household survey was established during the Administrative meeting:

- All home, work and school locations are 100% geocoded to either: full address, cross-streets, or place (single street or place centroid)
  - Other locations are 98% geocoded to either: full address, cross-streets or place centroid. 2% may be coded to geocoded to one street or city centroid.
  - Households with 4+ persons may have 2% incomplete work/school geocodes
- No more than 5% missing data from a record
  - Note that DK/RF are valid responses
- No more than 15% missing income
- Exceptions for large households:
  - Households with 4+ persons -- no more than 10% will have travel missing for **one** person.
  - Households with 5+ person -- no more than 10% will have travel missing for **two** persons.
- Exceptions for unrelated households:
  - Recruitment information for all household members (proxies OK for all).
  - Retrieval information for the head of household (the person who took the recruitment survey), and as many of the other members as possible.
- The information collected in the long distance survey is independent. As such, its completeness does not affect the completeness of the core recruitment and retrieval instruments.

There are three types of GPS samples: wearable (3 days), vehicle (7 days), vehicle and OBD (7 days). The definition of a completed survey for a GPS household is:

- 1) For wearable GPS (GPS devices provided for all household members between ages of 16 and 65, inclusive), a household is considered to be a GPS/diary complete (and qualifies for the \$25/GPS person (maximum of \$75 per household) incentive) if:
  - a) Travel is reported for all household members by mail, web, or phone
  - b) GPS devices are used on the assigned travel day for at least two persons provided with GPS devices (age 16-65), and for only one person is only one GPS device provided,
    - i) If travel was reported for a GPS person, then at least one GPS trip should have been captured by that person

- ii) If no travel was reported for a GPS person, then it is okay if there are no GPS trips captured on that day by that person
- 2) For vehicle GPS (GPS devices provided for first three household vehicles with working power outlets/cigarette lighter sockets), a household is considered to be a GPS/diary complete (and qualifies for the \$25/GPS vehicle incentive) if:
- a) Travel is reported for all household members by mail, web, or phone
  - b) GPS devices are used on the assigned travel day for all at least two vehicles provided with GPS devices (and for only one vehicle if only one GPS device provided)
    - i) If travel was reported for a GPS vehicle, then at least one GPS trip should have been captured for that vehicle
    - ii) If no travel was reported for a GPS vehicle, then it is okay if there are no GPS trips captured on that day for that vehicle
- 3) For vehicle GPS and OBD (GPS and OBD devices provided for first three household vehicles with working power outlets/cigarette lighter sockets AND model year 1996 or newer) , a household is considered to be a GPS/diary complete (and qualifies for the \$40/GPS vehicle incentive) if:
- a) Travel is reported for all household members by mail, web, or phone and for at least two vehicles provided with GPS and OBD devices (or one vehicle if equipment provided for one vehicle only),

AND EITHER

- i) GPS devices are used on the assigned travel day for all vehicles provided with GPS devices
  - ii) If travel was reported for a GPS vehicle, then at least one GPS trip should have been captured for that vehicle
  - iii) If no travel was reported for a GPS vehicle, then it is okay if there are no GPS trips captured on that day for that vehicle
  - iv) OR: OBD device installed on or prior to assigned travel date
  - v) If travel was reported for a GPS/OBD vehicle, then at least one OBD trip should have been captured for that vehicle
  - vi) If no travel was reported for a GPS/OBD vehicle, then it is okay if there are no OBD trips captured on that day for that vehicle
- 4) For all GPS selected households:
- a) These definitions imply that all devices are returned (in order for us to determine if they were used as instructed)



- b) GPS and/or OBD data collected on subsequent days (days 2-3 for wearable and days 2-7 for vehicle) is not used in determination of a complete
- c) All GPS/OBD data will be delivered, whether or not household is determined to be a complete.

# Appendix N: Kern County Transit Intercept Sample

## 1.0 Background

The Kern County Council of Governments (COG) provided funding to the CHTS through an agreement with Caltrans, but specified that they wanted to oversample 320 transit users. To ensure there were sufficient users of Kern County's single public transit company, Golden Empire Transportation (GET), NuStats agreed to recruit bus riders through an intercept approach. Transit users were asked to take or complete a card asking them to participate in the household travel survey. The card asked basic contact information, and provided a PIN for online participation and a telephone number for CATI participation. Bus riders that took or completed the cards were then placed in the same CHTS process as all other households.

## 1.1 Survey Administration

The intercept recruitment took place in Bakersfield, California, between August 27 and August 31, 2012. Six bilingual (Spanish) surveyors from Select Staffing were used for the data collection effort. Select staffing is a local staffing firm located in Bakersfield California. During the training session, NuStats provided a training guide and materials to the survey staff. The training included the following:

Introduction and Study specifics,

- General survey procedures and etiquette,
- Review of questionnaire,
- Safety guidelines, and
- Role play of surveying.

The questionnaire used for data collection was a two-sided, 6" x 5.5" hard card stock. The instrument had English on the front side and Spanish on the back. A unique identifier (PIN number) was listed on two parts of the survey. The PIN was used to allocate a survey to an individual respondent and also served as a unique identifier for respondents to login online to complete the survey. The survey instrument had a tear off portion on the bottom of the card so that every respondent had the option to go online to complete the survey. This also provided NuStats the respondent's contact information in order to follow-up with them if they did not complete the survey online. The English version of the data collection card is found in Figure N.1.1.

Figure N.1.1: English Instrument (Front of Card)

**CALIFORNIA**  
Household Travel Survey

The California Household Travel Survey needs to know about bus riders in your area.

Please answer all questions on this card, return the top portion to the surveyor, and then you will be called within four weeks.

Take the bottom of this card with you and go online to complete the survey using your PIN number below.

Provide us with your name, phone number, and the best time to call you. Once every member of your household has completed the survey you will be eligible to receive a thank you of **\$25.00**.

Name: \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

1. Fill in the bubbles for the best days/times to call you.

Weekday     Weekend     Daytime     Evening

2. Do you live in Kern County?

Yes     No

For office use only:  
\_\_\_\_\_  
**1234567AB**

Participate and help improve your transportation options!

27032-0612

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↑ Fold, tear, and take your pin number with you to fill out the survey online! ↑

Go to: [www.catravelssurvey.com](http://www.catravelssurvey.com)

Click "Start Here" and enter your PIN#: **1234567AB**

**CALIFORNIA**  
Household Travel Survey  
Survey sponsored by:  
**Caltrans**  
California Energy Commission  
California Air Resources Board  
Local transportation planning agencies

Surveyors approached bus riders as they boarded to persuade them to fill out a questionnaire. The surveyors assisted respondents with questions if needed, in addition to collecting and reviewing all returned questionnaires. For the duration of the data collection effort, one surveyor was placed at either the Downtown Transit Center or Southwest Transit Center to intercept respondents during their bus transfers.

Assignments were handed out to surveyors on a daily basis. Surveying occurred from 6:30am to 9:00pm in order to capture travel data for all times-of-day. Once an assignment was completed, the surveyor would check-in with field staff and turn in their collected surveys for the day. The surveys were then quickly reviewed and field staff would then provide feedback to the surveyors. The NuStats field supervisor was stationed at the transfer center where the surveyor’s assignments began and ended. The Field Supervisor was present for all hours of data collection. By being at the transfer center while surveying took place, the Field Supervisor would monitor surveyor production and provide additional supplies if needed when surveyors had layovers at the transfer center.

The routes and locations to be surveyed were selected by NuStats staff. Prior to surveying, GGET provided average daily ridership numbers and bus schedules at the block level. The entire transit system’s daily ridership averaged 22,687 boardings daily. The routes selected for surveying were all high ridership lines and were selected for the purpose of collecting samples. A total of 13 routes were surveyed which made up 94% of GET’s averaged daily ridership. A total of 102 revenue trips were surveyed. Table N.1.1 shows the routes surveyed and weekday average daily ridership.

**Table N.1.1: Kern County Routes Surveyed**

Route	Weekday Average Daily Ridership
1	635
2	3,298
3	525
4	1,509
5	3,547
6	388
7	1,872
8	2,625
9	1,960
10	516
11	2,604
13	929
17	812
<b>Total</b>	21,220

## 1.2 Results

A total of 1,401 cards were collected. Out of 1,401 cards returned, 150 were Spanish (11%). Among 1,401 collected cards, 1,353 cards were eligible to contact. Table N.1.2.1 shows the sample results.

**Table N.1.2.1: Kern County Transit Intercept Sample Results**

Sample Type	Total Collected Card	Eligible to Use for the Survey
Kern County Transit Intercept	1401	1,353

Among 1,353 eligible collected cards, 443 samples were successfully contacted and completed recruitment. Of those, 230 successfully completed retrieval and reported their trips on the assigned travel day, as is illustrated in Table N.1.2.2. In order to ensure the goal of 320 transit riders was reached, 90 samples from the Kern County general sample were identified as transit users to supplement this effort.

**Table N.1.2.2: Overall Response Rate with Total Sample Collected, Total Recruited, Total Retrieved**

Sample Type	Sample Used in Main Survey	% of Total Sample Used	Recruited HH	% of Total Recruited	Retrieved HH	% of Total Retrieved
Kern County Transit Intercept	1353	0.1%	443	0.7%	230	0.5%

Kern County Transit Intercept Sample showed a higher percentage of local bus usage in comparison to those who were from the general Kern County sample, as shown in Table N.1.2.3.

**Table N.1.2.3: Mode Distribution Comparison Between Kern Intercept vs. General Kern County Sample to see if Kern County Transit Intercept Sample Effectively Captured Transit Trips [Unweighted]**

Mode	Kern					
	General Kern County Sample		Transit Intercept sample		Total	
	Count	Percent	Count	Percent	Count	Percent
Walk	820	8.4%	1025	47.8%	1845	15.5%
Bike	85	.9%	34	1.6%	119	1.0%
Wheelchair / Mobility Scooter	0	0.0%	8	.4%	8	.1%
Other Non-Motorized	16	.2%	4	.2%	20	.2%
Auto / Van / Truck Driver	5533	56.8%	164	7.6%	5697	47.9%
Auto / Van / Truck Passenger	2916	29.9%	255	11.9%	3171	26.7%
Carpool / Vanpool	61	.6%	18	.8%	79	.7%
Motorcycle / Scooter / Moped	32	.3%	0	0.0%	32	.3%
Taxi / Hired Car / Limo	7	.1%	0	0.0%	7	.1%
Rental Car/Vehicle	16	.2%	0	0.0%	16	.1%
Private shuttle (SuperShuttle, employer, hotel, etc.)	11	.1%	16	.7%	27	.2%
Greyhound Bus	1	.0%	1	.0%	2	.0%
Plane	5	.1%	0	0.0%	5	.0%
Other Private Transit	11	.1%	6	.3%	17	.1%
Local Bus, Rapid Bus	104	1.1%	566	26.4%	670	5.6%
Express Bus / Commuter Bus (AC Transbay, Golden Gate Transit, etc)	4	.0%	22	1.0%	26	.2%

Mode	Kern					
	General Kern County Sample		Transit Intercept sample		Total	
	Count	Percent	Count	Percent	Count	Percent
Premium Bus ( Metro Orange / Silver Line )	0	0.0%	0	0.0%	0	0.0%
School Bus	109	1.1%	22	1.0%	131	1.1%
Public Transit Shuttle (DASH, Emery Go Round, etc.)	4	.0%	0	0.0%	4	.0%
AirBART / LAX FlyAway	0	0.0%	0	0.0%	0	0.0%
Dial-a-Ride / Paratransit (Access Services, etc.)	2	.0%	2	.1%	4	.0%
Amtrak Bus	0	0.0%	0	0.0%	0	0.0%
Other Bus	0	0.0%	2	.1%	2	.0%
BART, Metro Red / Purple Line	1	.0%	0	0.0%	1	.0%
ACE, Amtrak, Caltrain, Coaster, Metrolink	1	.0%	0	0.0%	1	.0%
Metro Blue/Green/Gold Line, Muni, Sacramento Light Rail, San Diego Sprinter/Trolley/Orange/Blue/Green, VTA Light Rail	0	0.0%	0	0.0%	0	0.0%
Street Car / Cable Car	0	0.0%	0	0.0%	0	0.0%
Other Rail	0	0.0%	0	0.0%	0	0.0%
Ferry / Boat	0	0.0%	0	0.0%	0	0.0%
Total	9739	100.0%	2145	100.0%	11884	100.0%

## Appendix O: Energy Commission GPS OBD Sample Summary and Survey Methods

The Energy Commission specifically requested NuStats target households with renewable fuel and alternative vehicles. This appendix will give a brief summary of this effort based on unweighted data. The CHTS data weights did not implement any vehicle-level special adjustment for CEC sample. The CHTS data weights were developed using general population key demographic control totals as explained in the section 7. . Using selection criteria provided by NuStats, a total of 210,529 households were identified as the universe. This list was checked against the ABS sample, or listed sample list by NuStats' sample provider MSG. A total of 14% of records were identified as duplicates and were removed from the Energy Commission sample database. A total of 184,594 records remained as usable records and 121,021 were contacted. These remaining records were also kept in the sample list for future sample draws. Additionally, electric vehicle owner database from the Plug in Hybrid and Electric Vehicle center at the University of California, Davis was used to pull 814 respondents through e-mail contact to request for their participation in the CHTS. Among 814 contacted households, 112 households (13.8%) completed recruitment, and of these, 102 household successfully completed retrieval. The overall response rate is illustrated in Table O.1.

**Table O.1: Overall Response Rate with Total Sample Collected, Total Recruited, Total Retrieved, Overall GPS Completion Rate [Unweighted]**

Specific Sample Type	Sampled HH	Recruited HH	Recruitment Rate	Retrieved HH	Retrieval Rate	Response Rate
	(A)	(B)	(B)/(A)	(C)	(C)/(B)	(C)/(A)
Energy Commission Database	121021	873	0.7%	707	81.0%	0.6%
UC Davis sample	814	112	13.8%	102	91.1%	12.5%

A total of 809 households from either the Energy Commission alternative fuel owner database or UC Davis electric vehicle owner database were successfully completed. Retrieved households who reported electricity or battery electricity for its fuel was 17.6%, which is considerably higher than the next highest reported alternative fuel type – clean diesel (5.7%). The fuel type distribution of these households may be seen in Table O.2.

**Table O.2: Self-Reported Vehicle Fuel Type Distribution from Energy Commission sample [Unweighted]**

Fuel Type	Energy Commission		NON-EC		Total	
	Count	Percent	Count	Percent	Count	Percent
Gasoline	1218	81.4%	74846	96.6%	76064	96.3%
Diesel	86	5.7%	2244	2.9%	2330	2.9%
Electric/Electric Battery	264	17.6%	1363	1.8%	1627	2.1%
CNG - Natural Gas	40	2.7%	59	0.1%	99	0.1%
Biofuel, Ethanol, Biodiesel	23	1.5%	317	0.4%	340	0.4%
Other (specify)	1	0.1%	31	0.0%	32	0.0%
DK	0	0.0%	57	0.1%	57	0.1%
RF	0	0.0%	12	0.0%	12	0.0%
Total	1496	100.0%	77500	100.0%	78996	100.0%

The Energy Commission sample households reported owning Hybrid vehicles at a much higher rate (21.4%) than the general sample (3.8%) who participated in the CHTS. The distribution of vehicle type is demonstrated in Table O.3.

**Table O.3: Vehicle Type [Unweighted]**

	Energy Commission		NON-EC		Total	
	Count	Percent	Count	Percent	Count	Percent
Hybrid	320	21.4%	2915	3.8%	3235	4.1%
Gasoline Only Vehicle	866	57.9%	71752	92.6%	72618	91.9%
Diesel Only Vehicle	89	5.9%	2284	2.9%	2373	3.0%
Plug In Hybrid Electric Vehicle	21	1.4%	89	.1%	110	0.1%
CNG	37	2.5%	36	.0%	73	0.1%
Electric Only	144	9.6%	133	.2%	277	0.4%
Other Type	19	1.3%	290	.4%	309	0.4%
Don't Know / Refused	0	0.0%	16	.0%	16	0.0%
Total	1496	100.0%	77515	100.0%	79011	100.0%

A higher percentage of Energy Commission sample households (57.8%) than the general sample households (45.1%) responded that they planned to buy a new vehicle in the future.

As shown in the following Table O.4, the Energy Commission sampled households were more likely to be from large households who reported household size of three or more persons (47.3%), owned 2 or more vehicles (88.1%), were in the annual income range of more than \$100,000 (67.2%), and from households who reported 2 or more workers (57.0%) than the general CHTS sample households.

**Table O.4: Key Demographics of Energy Commission Sample [Unweighted]**

Household Demographics		CEC		NON-CEC*	
		Count	Percent	Count	Percent
Household Size	1 person	60	9.5%	7622	19.4%
	2 persons	273	43.2%	15504	39.4%
	3 persons	135	21.4%	6498	16.5%
	4+ persons	164	25.9%	9716	24.7%
	Total	632	100.0%	39340	100.0%
Household Vehicles	1 vehicle	75	11.9%	12603	32.0%
	2 vehicles	337	53.3%	18320	46.6%
	3+ vehicles	220	34.8%	8417	21.4%
	Total	632	100.0%	39340	100.0%
Income (Excluding Don't Know/Refused)	Less than \$25,000	12	2.1%	4879	13.6%
	\$25,000 to \$50,000	22	3.8%	7512	20.9%
	\$50,000 to \$75,000	65	11.3%	6700	18.6%
	\$75,000 to \$100,000	89	15.5%	5717	15.9%
	\$100,000 or more	385	67.2%	11157	31.0%
	Total	573	100.0%	35965	100.0%
Number of Household Worker	0 worker	38	6.0%	7697	19.6%
	1 worker	234	37.0%	16794	42.7%
	2 workers	309	48.9%	12347	31.4%
	3+ workers	51	8.1%	2502	6.4%
	Total	632	100.0%	39340	100.0%

## Appendix P: Data User's Guide

The CHTS data are contained in six tables: Deliv\_HH (household), Deliv\_PER (person), Deliv\_VH (vehicle), Deliv\_place (place), Deliv\_ACT (activity) and Deliv\_LD (long distance trips) and four additional lookup tables for geocoded location data. The Household, Person, Vehicle, Place, Activity, and Long distance Files are arranged hierarchically, with key field indicators to link the files together. A complete listing of all variables and associated codes are contained in the Appendix K.



## 1. Relationship Among the Data Files

Table P.1 shows the key data fields that link the data files. The sample number is the key link between the household, person, and place files.

**Table P.1: Relationships among the Data Files**

Data File	Description	# Records	Key Record Reference Fields
Household	One record for each household that provided complete and usable activity and travel information	42,431	SAMPN
Person	One record for each member of a completed household	109,113	SAMPN and PERNO
Vehicle	One record for each household vehicle (no records for zero-vehicle households)	29,043	SAMPN and VEHNO
Place	One record for each place visited by household members on travel day. Non-traveling household members have one record.	460,523 places (351,745 trips*)	SAMPN, PERNO, and PLANO
Activity	One record for each activity at each visited place by household members on travel day. Non-traveling household members have one record.	604,711	SAMPN, PERNO, PLAN and, ACTNO
Long Distance	One record for each long distance trip	143,927	SAMPN, LDNO

*\*Place 1 (for all respondents) is an anchor indicating where the person began his or her travel day. A travel day began and ended at 3 a.m. Most respondents reported Place 1 to be home.*

## 2. Computed Variables

Most of the data contained in the data sets were provided directly by respondents during the recruitment interview or retrieval interview. There were, however, some computed variables added to the data set for administrative and analysis purposes, including:

### Household File

- STYPE: Type of sample based on phone number match status.
- CTFIP: County code assigned to household based on residential location of the household as defined by the geocoded coordinates.
- AREA: MPO/RTPA area code assigned to household based on residential location of the household as defined by the geocoded coordinates.
- STRATA: Sampling strata assigned to household based on residential location of the household as defined by the geocoded coordinates.
- RECMODE: Code assigned to household to indicate mode of recruitment (telephone or web).
- RETMODE: Code assigned to household to indicate mode of retrieval (telephone, web, or mail).
- GTYPE: Flag to indicate whether household was part of the GPS subsample or diary-only.
- GFLAG: Flag to indicate GPS type assigned to GPS sample household
- ILANG: Coded language of recruitment and retrieval interviews.
- RECDate: Recruitment completion date
- DOW: Corresponds to the day of week of the travel day assigned to the household.
- ASSN: Indicates specific 24-hour period in which household tracked travel (commonly referred to as a “travel day”).

- HHSTU: Sum of all household members reporting to be students.
- HHEMP: Sum of all household members reporting to be workers.
- HHLIC: Sum of all household members reporting having a valid driver's license.
- HTRIPS: Number of places visited by all household members on the travel day excluding Place 1 (anchor) for each household member. Calculated as the total number of records in the place file for this household minus household size.
- GPS\_Complete : Flag to indicate that GPS sample household completed both GPS and diary retrieval.
- HH\_Complete: Flag to indicate that household was completed as a full or as a large household partial complete.

#### **Person File**

- PTRIPS: Number of places visited by a household member on the travel day excluding the Place 1 (anchor). Calculated as the total number of records in the place file for this person minus 1.
- InComplete: Flag to indicate that person did not provide travel information and is part of a valid partial household.

Moto\_trip: Flag to indicate that person made an auto trip on his/her assigned travel day.

#### **Place File**

- TOTTR: Total people traveling in travel party, including respondent. Calculated as PARTY+1.
- NONHH: number of non-household members in travel party. Calculates the difference between the total number in travel party (PARTY) and the total number of household members in travel party (HHMEM).
- ACTCNT: number of activities reported for each place
- TRIPDIST: straight line travel distance.
- RouteDistance: route travel distance computed in Trip Builder.

#### **4. Geocoding Variables**

All home, primary work, school, visited place locations collected during the survey were geocoded to WGS-84 projection within the Trip Builder (TB) software during the retrieval interview. Geocoded home locations are stored in the Household lookup table, and geocoded primary work/school locations are stored in the person lookup table. In addition, the place lookup file contains location information for all places visited during the travel day. Long distance origin and destination locations are also geocoded and stored in the long distance lookup file.

#### **Respondent Reported Trip Information**

During the interview process, respondents were asked for the place name, address, city, and zip code for all places visited. In addition, this information was collected for home, work, and school addresses.

The non-home, non-work, and non-school locations (or "other trip locations") were not as accurate. Respondents typically were unable to report correct zip codes for commonly visited locations such as the mall or grocery store. These types of addresses primarily included cross streets, as compared to the exact addresses reported in the first type of addresses. In the daily conduct of life, exact addresses and zip codes

were simply not important to respondents. For households that completed the survey via telephone, every effort was made to obtain as much information about each location as possible to aid in the geocoding process. This included probing for mid-block locations, as well as nearby landmarks.

Respondents were not always accurate in their reporting of location information. In addition, local names were often provided while the street coverage files contained only “official” geographic references. In anticipation of this, interviewers received local knowledge training, and the Trip Builder software contained landmark locations to aid in the collection of correct addresses. Despite the conflict between respondent perception and official designations, geographic coordinates were obtained, and correct location attributes reviewed for accuracy, for 100 percent of locations within the data set.

## 5 Weighting the Data

Consistent with the Technical Memorandum on Weighting and Expansion, analytic weights were computed at the household and person level. Weights were adjusted to the relative importance of responses to reflect the different probabilities of selection of respondents and align the sample distributions to population distributions. The weighted data was then expanded to reflect the total number of households residing in the survey area. Household weights (HHWGT) were applied to the household table and the vehicle table. The person level weights (PERWGT) were applied to the person table. GPS collected trips were compared with diary collected trips and trip correction factor was computed. Trip correction factor was applied to person weight to get the final trip weights (TCFPWGT). The final trip weights were applied the place table and the activity table. Long distance data file was not weighted.

## 6 Trip Rates

Trip rates are calculated using a combination of two weighted frequencies. When calculating trip rates by a data element in the Household File, users will use a combination of weighted households and weighted trips. When calculating trip rates by a data element in the Person File, users will use a combination of weighted persons and weighted trips. The following are two examples for calculating trip rates.

Here are the steps for calculating trip rates by household size:

- > Merge household size (HHSIZ) variable into Place.
- > Run weighted frequency of HHSIZ from the Household table (applying the weight, HHWGT).
- > Run weighted frequency of HHSIZ from the Place table (applying the weight, TCFPWGT).
- > To calculate trip rates by household size, divide the total trips by the total households for each household size category.

Here are the steps for calculating trip rates by gender:

- > Merge gender (GEND) variable into Place table.
- > Run weighted frequency of GEND from the Person table (applying the weight, PERWGT).
- > Run weighted frequency of GEND from the Place table (applying the weight, TCFPWGT).
- > To calculate trip rates by gender, divide the total trips by the total persons for each gender category.



## Appendix Q: 2010 Census Tract List for TMPO

Table Q.1: 2010 Census Tract List for TMPO

COUNTY FIP	TRACT ID	GEOID10
061	990000	06061990000
061	022200	06061022200
061	022100	06061022100
061	022300	06061022300
061	020104	06061020104
061	020105	06061020105
061	020107	06061020107
061	020106	06061020106
017	032000	06017032000
017	031600	06017031600
017	030505	06017030505
017	030302	06017030302
017	030504	06017030504
017	030301	06017030301
017	030401	06017030401
017	030200	06017030200
017	030502	06017030502
017	030402	06017030402
017	990000	06017990000

Table Q.2: 2010 Census Tract List for Targeted Transit Oversampling Area

2010 Census Tract List for Targeted Transit Oversampling Area						
06001400200	06007000104	06013373000	06019006802	06037106114	06037190801	06037241300
06001400300	06007001200	06013380000	06019007002	06037109300	06037191204	06037241400
06001404101	06007001900	06013382000	06019007201	06037109500	06037194101	06037242700
06001404200	06007003001	06013386000	06021010502	06037109604	06037209300	06037261101
06001404600	06009000122	06015000105	06023000100	06037109800	06037209403	06037262604
06001404700	06009000210	06017030505	06023000900	06037111201	06037211410	06037264301
06001404900	06013302006	06017030809	06023010600	06037111204	06037211922	06037267300
06001405302	06013303202	06017030902	06023010901	06037111400	06037212102	06037267404
06001405401	06013307101	06017031301	06025010400	06037113401	06037212305	06037267501
06001407101	06013307201	06017031402	06025010700	06037115103	06037214800	06037267700
06001407400	06013307204	06017031504	06025011300	06037115104	06037217001	06037269500
06001407500	06013308001	06017031800	06025012001	06037119001	06037218120	06037269601
06001408000	06013308002	06017990000	06029000503	06037127102	06037218210	06037269700
06001409200	06013311000	06019001301	06029001201	06037127103	06037218702	06037269905
06001409300	06013314104	06019001410	06029002808	06037127104	06037221120	06037271701
06001409400	06013321103	06019001411	06029003000	06037127603	06037221302	06037271802
06001409500	06013327000	06019001414	06029003103	06037127806	06037221303	06037276604
06001410500	06013331000	06019003301	06029003113	06037128400	06037221602	06037291220
06001420100	06013333200	06019003500	06029003205	06037132002	06037226700	06037291300
06001420400	06013334200	06019003810	06029003303	06037133000	06037228100	06037293202
06001422400	06013335000	06019003900	06029003306	06037134103	06037228210	06037297110
06001423400	06013336201	06019004001	06029003600	06037134302	06037228710	06037297300
06001432502	06013343001	06019004408	06029004402	06037134520	06037228720	06037302503
06001433104	06013345102	06019004503	06029004601	06037134522	06037232800	06037302505
06001433200	06013345112	06019004505	06029005004	06037134905	06037234000	06037311400
06001433600	06013345113	06019004601	06029005401	06037137201	06037234200	06037403000
06001435601	06013345202	06019004701	06029006003	06037139303	06037234300	06037404000
06001438201	06013345203	06019004901	06029006004	06037141101	06037234501	06037404501
06001440308	06013355109	06019005203	06029006404	06037143800	06037234502	06037405400





2010 Census Tract List for Targeted Transit Oversampling Area

6083002906	6085512024	6097153801	6111000600	6085504418	6095250604	6103000700
6083002909	6085512034	6097153806	6111000702	6085504421	6095250605	6107001601
6083002913	6085512035	6097153901	6111004710	6085504602	6095250701	6107001602
6083002915	6085512039	6097154000	6111005100	6085505001	6095251100	6107002006
6083003005	6085512042	6097154100	6111005202	6085505100	6095252702	6107002007
6083003007	6085512312	6097154202	6111005203	6085505301	6095252703	6107002008
6083980000	6085512314	6097154302	6111005205	6085506305	6095252801	6107002303
6085500800	6087100400	6099000304	6111005305	6085506604	6095252908	6107002602
6085501101	6087100600	6099000402	6111005306	6085506804	6095253300	6107002800
6085501102	6087100800	6099000403	6111005403	6085507805	6097150203	6107002901
6085501401	6087101100	6099000404	6111005404	6085503712	6087121800	6099001400
6085501502	6087110200	6099000601	6111005911	6085503713	6089010704	6099002504
6085502101	6087110700	6099000602	6111006600	6085503802	6089011001	6099002801
6085503211	6087120400	6099000806	6111007512	6085504101	6089011002	6099002802
6085503510	6087120900	6099000905	6111007611	6085504102	6089011100	6099003100
6085503511	6087121100	6099000909	6113010401	6113010512	6113010701	6113010902
6115040700	6115040902					



**Table Q.3: 2000 2000 Census Tract List for Targeted Zero-vehicle Household Area**

STATE	COUNTY	TRACT
06	015	000101
06	023	0010
06	023	0005
06	089	0101
06	089	0105
06	007	0028
06	045	0116
06	017	030101
06	061	020901
06	067	008136
06	113	011001
06	067	006002
06	067	005505
06	067	005402
06	067	0006
06	067	0005
06	067	0007
06	067	0010
06	067	0011
06	067	0008
06	067	0014
06	067	0009
06	067	0012
06	067	0020
06	067	0022
06	067	0019
06	067	0017
06	067	009110
06	067	0028
06	067	009605
06	095	251802
06	095	2509
06	109	0012
06	013	3160
06	041	1182
06	013	3280
06	077	000402
06	013	369001
06	077	0001
06	077	0003
06	013	3760
06	001	4202
06	013	3511
06	001	4224
06	001	4223
06	001	4229
06	001	4231
06	001	4228
06	001	4232
06	001	4237
06	001	423602
06	001	4234
06	001	4008
06	001	4011
06	001	4010
06	001	4041
06	001	4015
06	001	4014
06	001	4035
06	001	4013
06	001	4039
06	001	4022

STATE	COUNTY	TRACT
06	001	4023
06	001	4024
06	001	4027
06	001	4037
06	001	4018
06	001	4028
06	001	4029
06	075	0101
06	001	4034
06	075	0102
06	075	0126
06	001	4025
06	001	4021
06	001	4026
06	075	0127
06	001	4031
06	075	0105
06	075	0103
06	001	4053
06	075	0104
06	001	4030
06	075	0129
06	075	0107
06	075	0106
06	001	4033
06	075	0128
06	001	4054
06	075	0109
06	075	0130
06	001	4275
06	075	0108
06	001	4060
06	075	0115
06	075	0114
06	075	0113
06	075	0131
06	075	0110
06	075	017602
06	075	0112
06	075	0117
06	075	0118
06	075	017901
06	075	0135
06	075	0111
06	075	0119
06	075	0134
06	075	0151
06	075	0121
06	075	0152
06	075	0401
06	075	0120
06	075	0153
06	075	0402
06	075	0123
06	075	0122
06	075	0155
06	075	0426
06	075	0427
06	075	017601
06	075	0125
06	075	0160
06	075	0159
06	075	0178
06	075	0124

STATE	COUNTY	TRACT
06	075	0158
06	075	0607
06	075	0161
06	075	0156
06	075	0451
06	075	0452
06	075	047701
06	075	0162
06	075	0163
06	075	0164
06	075	0165
06	075	0177
06	075	0168
06	075	0201
06	001	4074
06	075	0167
06	075	0166
06	075	0202
06	001	4098
06	001	4075
06	075	0169
06	075	0171
06	075	0203
06	075	030201
06	075	0208
06	075	0207
06	075	0206
06	075	0205
06	075	022703
06	075	022803
06	075	0211
06	075	0209
06	075	0210
06	075	022901
06	075	0214
06	075	0213
06	075	0253
06	075	023103
06	075	023102
06	075	023002
06	075	060501
06	075	033202
06	075	026403
06	075	060502
06	081	6008
06	001	4310
06	001	4354
06	099	0018
06	099	0022
06	081	6063
06	081	610202
06	085	511606
06	085	511607
06	085	509401
06	085	503602
06	085	5010
06	085	500901
06	085	5008
06	085	512027
06	027	0007
06	019	004505
06	019	005403
06	019	0006
06	019	0002

STATE	COUNTY	TRACT
06	019	0001
06	019	001405
06	019	0009
06	053	0013
06	107	0012
06	029	0004
06	029	0013
06	029	0016
06	029	001202
06	029	0020
06	071	0094
06	037	900806
06	083	0009
06	083	0010
06	111	0024
06	037	117405
06	037	123304
06	037	135112
06	037	310701
06	037	310702
06	037	4619
06	037	4622
06	037	302001
06	037	302201
06	037	302202
06	037	3024
06	037	1892
06	037	1895
06	071	0057
06	037	1901
06	037	1904
06	037	190301
06	037	1902
06	037	190510
06	037	190520
06	037	191201
06	037	1898
06	037	1907
06	037	7002
06	037	191110
06	037	1908
06	037	190902
06	037	190901
06	037	7003
06	037	191203
06	037	191204
06	037	191120
06	037	7001
06	037	191410
06	037	191710
06	037	191720
06	037	191620
06	037	191820
06	037	191420
06	037	432801
06	037	206010
06	037	1975
06	037	2112
06	037	211410
06	037	208610
06	037	211320
06	037	2085
06	037	4035
06	037	2084

STATE	COUNTY	TRACT
06	037	211920
06	037	211910
06	037	2151
06	037	211702
06	037	211120
06	037	2083
06	037	265305
06	037	2071
06	037	1999
06	037	208720
06	037	481714
06	037	2088
06	037	2121
06	037	211802
06	037	208903
06	037	212304
06	037	212303
06	037	212203
06	037	212204
06	037	208904
06	037	212610
06	037	2125
06	037	212410
06	037	209101
06	037	209102
06	037	209401
06	037	208902
06	037	2075
06	037	2092
06	037	212620
06	037	212420
06	037	212305
06	037	212306
06	037	212202
06	037	209402
06	037	209510
06	037	209403
06	037	213201
06	037	213320
06	037	2093
06	037	209520
06	037	2073
06	037	2129
06	037	207710
06	037	2062
06	037	213402
06	037	213202
06	037	530902
06	037	210010
06	037	206040
06	037	218110
06	037	221110
06	037	221301
06	037	224310
06	037	2042
06	037	2079
06	037	224320
06	037	2063
06	037	206050
06	037	2242
06	037	5304
06	037	2043
06	037	221302
06	037	2260

STATE	COUNTY	TRACT
06	037	224010
06	037	221710
06	037	2215
06	037	2214
06	037	224410
06	037	2189
06	037	221810
06	037	2193
06	037	701702
06	037	226410
06	037	701802
06	037	7014
06	037	7019
06	037	2311
06	037	236201
06	037	236202
06	037	2361
06	037	2313
06	037	231210
06	037	231220
06	037	231720
06	037	2318
06	037	2734
06	037	2289
06	037	2735
06	037	532605
06	037	532606
06	037	2349
06	037	2375
06	065	042211
06	037	501504
06	037	533104
06	037	601001
06	037	237720
06	037	238310
06	037	238320
06	037	2421
06	037	2426
06	037	5716
06	065	044701
06	037	5725
06	037	5728
06	037	5753
06	037	2947
06	037	294820
06	037	575801
06	037	575803
06	037	5763
06	037	576401
06	037	576402
06	065	043507
06	037	575901
06	037	5762
06	037	575902
06	037	576501
06	037	576503
06	037	576801
06	059	099509
06	059	099510
06	037	5760
06	037	5761
06	059	099802
06	037	296220
06	059	062622

STATE	COUNTY	TRACT
06	059	062623
06	059	062646
06	059	062641
06	025	0124
06	037	5990
06	073	017014
06	073	008341
06	073	0082
06	073	0065
06	073	002708
06	073	002707
06	073	0013
06	073	0009
06	073	002202
06	073	0144
06	073	0008
06	073	0056
06	073	0057
06	073	0052
06	073	0054
06	073	0053
06	073	0051
06	073	0050
06	073	012002
06	073	010603
06	073	0117
06	073	0125
06	073	010013

## Appendix R: Acknowledgements – Administrative, Steering and Technical Advisory Committees

Oversight of the CHTS was provided by two main committees, the Administrative Committee (AC) and the Steering Committee (SC) along with several Technical Advisory Committees (TAC).

The AC consisted of the following individuals:

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- David Ory, MTC
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- Peter Imhof, SBCAG
- James Worthley, SLOCOG
- Ed Flickinger, KernCOG

- Troy Hightower, KernCOG
- Robert Ball, KernCOG
- Bhupendra Patel, AMBAG
- Mark Hays, Tulare
- Kim Kloeb, SJCOG
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- Sue Foster, NuStats
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