



Massachusetts Department of Transportation

Massachusetts Travel Survey

Final Report – Appendices

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Prepared for

Massachusetts Department of Transportation

prepared by

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Boston MPO	Nantucket MPO
Cape Cod MPO	Northern Middlesex MPO
Central Massachusetts MPO	Old Colony MPO
Franklin Transportation Planning Organization	Pioneer Valley MPO
Martha's Vineyard MPO	Southeastern Massachusetts MPO
Merrimack Valley MPO	

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All available report documents can be accessed on the MassDOT web site at:

www.mass.gov/massdot/travelsurvey

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Appendix A: Recruitment Survey

INTRO 1

Universe: CELL-PHONE SAMPLE

#1- Outgoing Call - Hi - My name is _____. I'm calling on behalf of the Massachusetts Department of Transportation. MassDOT is interviewing households across the state about their travel patterns, and it's important that we include people who have only a cell phone. All answers are kept confidential. Is this a good time to talk?

IF THEY SAY NO, IT'S NOT SAFE TO TALK: When can I call you back at this number, or could I call you back at a landline number if that's more convenient for you? (What is the number? When can I call?)

IF THEY SAY THIS IS NOT A CELL PHONE, CONTINUE WITH THE SURVEY BRBR IF THEY MENTION COST OF THEIR CELL MINUTES: We will reimburse you \$5 to cover the cost of being on your cell phone for the interview.

IF ASKED, "HOW DID YOU GET THIS NUMBER?" A computer randomly generated a list of possible phone numbers. We do this because we need to talk to a wide representation of people, with both listed and unlisted phone numbers, including cell phones.

IF NEEDED: This call should only take 10-15 minutes for most households. The information we collect is combined with thousands of other households. Your participation in this survey will help MassDOT to make reasonable, cost-effective transportation improvements where they're needed most.

INTRO 2

Universe: UNMATCHED SAMPLE

#2 –Outgoing Call – Hi, my name is _____. Thank you for contacting us about the Massachusetts Travel Survey [IF ASKED: conducted on behalf of the Massachusetts Department of Transportation]. The information collected through this study will benefit your community by helping transportation planners more accurately identify transportation needs. If everyone in your household completes the study, your household will receive \$25 to thank you for your time.

INTRO 2

Universe: REGULAR SAMPLE

#3 – Outgoing Call – Hi -I'm calling on behalf of the new Massachusetts Department of Transportation. May I speak with <RFNAM> <RLNAM> or someone age 18 or older?

ADULT ON PHONE: MassDOT is interviewing households across the state about their travel patterns. All information collected is strictly confidential. Your participation in this survey will help us to make reasonable, cost-effective improvements where they're needed most. **IF THEY MENTION COST OF THEIR CELL MINUTES:** We will reimburse you \$5 to cover the cost of being on your cell phone for the interview.

NEWPH

Universe: INT01=KN

59 Is there a different number where I can reach you?

Knew Telephone Number: TEL01

Universe: INT01=KN

60 What is that number? FORMAT: 999-999-9999

INT12

Universe: INT01=KN

61 We will call you back on this number shortly. Thank you. WRITE DOWN QUESTIONNAIRE NUMBER AND CALLBACK

Advanced Letter: LETTR

Universe: All

93 Do you remember receiving a letter about this survey?

Yes1
No.....2
DK.....8
RF.....9

Regular Transit Use: RIBUS

Universe: All

94 Okay, first I need to ask you a few questions to ensure that we are surveying all types of households. Do you or any members of your household use transit at least once a week?

Yes1
No.....2
DK.....8
RF.....9

Number of Household Vehicles: HHVEH

Universe: All

95 And, how many motor vehicles including motorcycles, mopeds, and RVs are owned, leased, or available for regular use by those who currently live in your household? ENTER NUMBER, RANGE 0-8

NONE.....00
ONE01
TWO.....02
THREE.....03
FOUR04
FIVE.....05
SIX06
SEVEN.....07
EIGHT OR MORE.....08
DK.....98
RF.....99

Number of Household Vehicles – Refused: INT04**Universe: HHVEH=98 or 99**

97 Thank you but without this information, your household will not be eligible to participate in this study. REFUSAL TURN-AROUND: THE NUMBER OF TRIPS MADE BY A HOUSEHOLD IS OFTEN DIRECTLY RELATED TO THE NUMBER OF VEHICLES. PAUSE AND GIVE FINAL OPPORTUNITY FOR RESPONDENT TO ANSWER BEFORE TERMINATING

Number of Household Bicycles: HHBIC**Universe: All**

98 How many bicycles in working condition are available to members of your household? ENTER NUMBER, RANGE 0-8

NONE.....	00
ONE	01
TWO.....	02
THREE.....	03
FOUR.....	04
FIVE.....	05
SIX.....	06
SEVEN.....	07
EIGHT OR MORE.....	08
DK.....	98
RF.....	99

Household Size: HHSIZ**Universe: All**

99 How many people, including yourself, live in your home? INCLUDE IN THIS NUMBER HOUSEHOLD MEMBERS LIVING HERE AT LEAST 3 NIGHTS PER WEEK, FOSTER CHILDREN, ROOMERS, HOUSEMATES, PEOPLE LIVING HERE WHILE WORKING EVEN IF THEY HAVE ANOTHER PLACE TO LIVE, HOUSEHOLD MEMBERS ON ACTIVE DUTY BUT ONLY IF THEY WILL BE HOME DURING ASSIGNED TRAVEL DAY. DO NOT INCLUDE/B COLLEGE STUDENTS LIVING AWAY WHILE ATTENDING COLLEGE OR PEOPLE WHO LIVE AT ANOTHER PLACE MOST OF THE TIME. ENTER NUMBER, RANGE 1-8

ONE	01
TWO.....	02
THREE.....	03
FOUR.....	04
FIVE.....	05
SIX.....	06
SEVEN.....	07
EIGHT OR MORE.....	08
DK.....	98

Household Size – Refused: INT05**Universe: HHSIZ=98 or 99**

100 We understand your concerns regarding this question, but without this information, your household will not be eligible to participate in this study since we need to make sure we survey all types of households.

Transportation planners would be interested in seeing if there is a correlation between the size of households and the trips they make. PAUSE AND GIVE FINAL OPPORTUNITY FOR RESPONDENT TO ANSWER BEFORE TERMINATING

INT06

Universe: All

106 We're conducting a study to help area transportation planners understand why, when, and where people travel. We're asking households to record their travel for one day using travel diaries, which we'd mail to you. The day after your assigned travel date, we'll call you to collect your information. First, I'd like ask you a few questions to make sure that all types of households in Massachusetts are represented. We'll then mail to you a diary for each person in your household to record your travel. I want to assure you that the data we collect is for research purposes only and will be held in strict confidence. By participating in this important study, your household will represent hundreds of other households in your area, so we need your help. Will you help your local transportation planners in this study?

AAGE2

Universe: GTYPE=1

And can you tell me, how many people in your household are between 16 and 75 years old?

RANGE 1-8

GPS

Universe: GTYPE=1

107 Your household was also randomly selected to participate in another interesting and important part of this study that involves the use of person-based Global Positioning System, or GPS, technology. In addition to completing your travel diary, we are also asking you and all adult members of your household to carry a GPS device on the same travel day we assign to you as well as the next consecutive weekday. All you will need to do is turn each GPS device on prior to the first trip of your assigned travel day and then carry it or wear it for two consecutive week days. 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 everyone in your household provides valid travel information for the GPS and telephone interview portions of the study, we are offering \$25 for each of the <AAGE2> qualified persons that receive the GPS units, in appreciation of your time. IF NEEDED: The GPS units are small and easy to carry (you can clip them onto your belt, backpack, or purse) and they collect details of your travel routes during your travel day. It is very important to the survey that households like yours participate.

Ethnicity or Race: RACE

Universe: All

110 Again, to ensure we include all types of households in this study, what is your race?

White alone	1
Black or African American alone.....	2
American Indian and Alaska Native alone.....	3
Asian alone.....	4
Native Hawaiian and Other Pacific Islander alone	5
Some other race alone	6
Two or more races.....	7
RF.....	9

Hispanic or Latino: HISP

Universe: All

111 And, are you Hispanic or Latino?

Yes	1
No.....	2
RF.....	9

Description of Home: RESTY

Universe: All

112 Which best describes your home?

Single family detached dwelling.....	1
Building with 2-4 units.....	2
Building with 5-19 units.....	3
Building with 20 or more units	4
Or something else? (SPECIFY)	7
DK.....	8
RF.....	9

Home Ownership: OWN

Universe: All

113 Is your home owned or rented?

Owned/Mortgaged.....	1
Rented	2
OTHER, SPECIFY	7
DK.....	8
RF.....	9

Number of Cell Phones: CPLNS

Universe: All

114 Since we are conducting this survey by telephone, I have some questions about the telephones in your household. How many cellular telephone numbers do members of your household have?

ENTER NUMBER

DK.....	98
RF.....	99

Number of Landline Telephone Numbers: PHLNS
Universe: All

116 How many home telephone numbers does your household have? This includes only land-lines or those hard wired to your house but excludes cellular phones.

ENTER NUMBER

DK.....98
RF.....99

[IF PHLNS = 0, SKIP TO INCA]

Number of hardwired numbers dedicated to Fax: FXLNS**Universe: PHLNS>0**

117 How many of these hard-wired telephone numbers, if any, are dedicated to a FAX machine or modem?
ENTER NUMBER

ENTER NUMBER

DK.....98
RF.....99

Household Income: INCOM**Universe: All**

118 And to ensure that all income levels are represented, I'd like to record your household's 2009 annual income. Again, this is completely confidential. Just stop me when I get to the appropriate income range.

Less than \$15,000..... 01
\$15,000 to \$24,999.....02
\$25,000 to \$34,999.....03
\$35,000 to \$49,999.....04
\$50,000 to \$74,999..... 05
\$75,000 to \$99,999.....06
\$100,000 to \$149,999.....07
\$150,000 or more08
REFUSED99

INCA**Universe: INCOM=99**

118.5 I certainly understand your hesitancy to provide this information. Instead of providing me with your households precise income, would you just tell me if your household's total annual income earned last year, for all workers, before taxes, above or below \$35,000? HOUSEHOLD INCOME NOT ONLY ALLOWS US TO VERIFY THAT WE ARE INCLUDING ALL TYPES OF HOUSEHOLDS FROM THE REGION, BUT ALSO HAS BEEN FOUND TO BE RELATED TO THE TYPES OF TRIPS HOUSEHOLDS MAKE.

Above \$35,000 11
Below \$35,00022
REFUSED99

INCB**Universe: IINCA=22**

119 Is it above or below \$15,000? HOUSEHOLD INCOME NOT ONLY ALLOWS US TO VERIFY THAT WE ARE INCLUDING ALL TYPES OF HOUSEHOLDS FROM THE REGION, BUT IT ALSO HAS BEEN FOUND TO BE RELATED TO THE TYPES OF TRIPS HOUSEHOLDS TYPICALLY MAKE.

Above \$15,00033
Below \$15,00001
DK/RF99

INCC**Universe: INCB=33****1120** Is it above or below \$25,000?

\$25,000 or Above.....	03
Below \$25,000	02
REFUSED	99

INCD**Universe: INCA=11**

121 Is it above or below \$75,000? HOUSEHOLD INCOME NOT ONLY ALLOWS US TO VERIFY THAT WE ARE INCLUDING ALL TYPES OF HOUSEHOLDS FROM THE REGION, BUT IT ALSO HAS BEEN FOUND TO BE RELATED TO THE TYPES OF TRIPS HOUSEHOLDS TYPICALLY MAKE.

\$75,000 or Above.....	44
Below \$75,000	55
REFUSED	99

INCE**Universe: INCD=55**

122 Is it above or below \$50,000? HOUSEHOLD INCOME NOT ONLY ALLOWS US TO VERIFY THAT WE ARE INCLUDING ALL TYPES OF HOUSEHOLDS FROM THE REGION, BUT IT ALSO HAS BEEN FOUND TO BE RELATED TO THE TYPES OF TRIPS HOUSEHOLDS TYPICALLY MAKE.

\$50,000 or Above.....	05
Below \$50,000	04
REFUSED	99

INCF**Universe: INCD=44**

123 Is it above or below \$150,000? HOUSEHOLD INCOME NOT ONLY ALLOWS US TO VERIFY THAT WE ARE INCLUDING ALL TYPES OF HOUSEHOLDS FROM THE REGION, BUT IT ALSO HAS BEEN FOUND TO BE RELATED TO THE TYPES OF TRIPS HOUSEHOLDS TYPICALLY MAKE.

\$150,000 or Above.....	08
Below \$150,000	66
REFUSED	99

INCG**Universe: INCF=66**

124 Is it above or below \$100,000? HOUSEHOLD INCOME NOT ONLY ALLOWS US TO VERIFY THAT WE ARE INCLUDING ALL TYPES OF HOUSEHOLDS FROM THE REGION, BUT IT ALSO HAS BEEN FOUND TO BE RELATED TO THE TYPES OF TRIPS HOUSEHOLDS TYPICALLY MAKE.

\$100,000 or Above.....	07
Below \$100,000	06
REFUSED	99

HHMEM**Universe: All**

129 Thank you. Now I need to ask you a few details about each person in your household to prepare the customized travel diaries. You said there were ____ persons in your household. Let's start with the names or just initials of each person so we can keep track of all the responses. [MAKE SURE YOU HAVE REBUTTAL READY IF RESPONDENT ASKS WHY NAMES ARE NEEDED]

You said there were <HHSIZ> persons in your household. Let's start with the names or just initials of each person so we can keep track of all the responses.

First Name: FNAME**Universe: All**

135 IF UNCOMFORTABLE GIVING CHILDREN'S NAMES, OKAY TO DO "CHILD #1, CHILD #2," ETC OR USE INITIALS

Relationship: RELAT**Universe: All**

140 What is this person's relationship to you? DO NOT ASK IF RESPONDENT. RESPONDENT IS PERNO1. SELECT REFERENCE PERSON IF RESPONDENT

RESPONDENT.....	1
Spouse/Partner.....	2
Child.....	3
Parent	4
Other Relative	5
Not Related	6

Gender: GEND**Universe: All**

141 What is this person's gender? DON'T ASK FOR RESPONDENT

MALE	1
FEMALE.....	2
RF.....	9

Exact Age: AGE**Universe: All**

145 What is <PRN15> age?

RANGE: 0 - 97 IF LESS THAN 1, ENTER 0

98 years or older.....	98
DK/RF	99

Age Category: AGEB**Universe: AGE=99**

146 Many of our questions about <PRN14> are based on <PRN15> age. Can you tell me if <PRN11> are/is...

Younger than 16.....1

16 or older2

DK/RF9

GCONF**Universe: AGE=99 and GTYPE=1**

147 In order for your household to qualify for the GPS portion of the study, we really need to know whether <YOU> is under or over the age of 16. PAUSE AND GIVE OPPORTUNITY FOR RESPONDENT TO GIVE AGE

AGE16**Universe: All**

149 IS THIS PERSON AT LEAST 16?

YES1

NO2

Driver's License: LIC**Universe: AGE>15 or AGEB>1**

166 Do(es) <YOU> have a valid driver's license?

YES1

NO2

DK.....8

RF.....9

Transit Pass: TRANS**Universe: AGE>15 or AGEB>1**

167 Do(es) <YOU> have a transit pass?

YES1

NO2

DK.....8

RF.....9

Type of Transit Pass: PASST**Universe: TRANS=1****168** What type of transit pass do(es) <PRN11> have? SELECT ALL THAT APPLY

Local bus pass	01
LinkPass (subway + local bus).....	02
Inner express bus pass	03
Outer express bus pass	04
Commuter rail pass	05
Ferry/Boat pass.....	06
Charlie Card	07
Other (Specify).....	97
DK.....	98
RF.....	99

Employed: EMPLY**Universe: AGE>15 or AGEB>1****169** Are/Is <YOU> employed at a paying job, either full-time or part-time? THIS DOES NOT INCLUDE VOLUNTEER POSITIONS.

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

Unemployed Status: PRIMA**Universe: EMPLY>1****171** Which of the following best describes <PRN15> status?

Retired	01
Disabled/On Disability Status	02
Homemaker	03
Unemployed but looking for work	04
Unemployed and not looking for work	05
A Student?.....	06
OTHER (SPECIFY).....	97
DK.....	98
RF.....	99

Hours worked per day: HOURS**Universe: EMPLY=1****172** How many hours per day/ do(es) <YOU> work on average? (MAIN JOB). IN THIS QUESTION, WE ARE ONLY INTERESTED IN HOURS WORKED AT THIS MAIN JOB.

RANGE: 1-24

DK.....	98
RF.....	99

Number of Jobs: JOBS

Universe: EMPLY=1

173 How many jobs do(es) <YOU> have? Please include all paid positions that <YOU> work(s) on a regular basis.

RANGE 1-10

PRN22

Universe: EMPLY=1 and JOBS>1

174 For this next series of questions, please consider only <PRN15> primary job.

Work Name: WNAME

Universe: EMPLY=1

175 We're interested in employment locations because travel to work activities often affect other daily activities and travel. What is the name of <YOUR> work? (MAIN JOB) RECORD RESPONSE

SELF-EMPLOYED (SPECIFY BUSINESS / COMPANY NAME) 1

OTHER (SPECIFY BUSINESS / COMPANY/).....7

DK/RF.....9

Work Address: WADDR

Universe: EMPLY=1

176 What is the address of <YOUR> work (MAIN JOB)? RECORD STREET ADDRESS. HABITUALS ARE REQUIRED FOR DATA DELIVERY

Work Address – City: WCITY

Universe: EMPLY=1

178 [ENTER CITY]

Work Address – State: WSTAT

Universe: EMPLY=1

179 [ENTER STATE]

Work Address – Zip Code: WZIP

Universe: EMPLY=1

180 Thank you sir/ma'am, and what would the zip code of your work location be?

DK/RF.....99999

Work Address – Cross-Streets: WXSTR
Universe: EMPLY=1 and WADDR is Null

181 What are the nearest cross streets to <YOUR> work? COLLECT CROSS STREETS IN THIS FORMAT
STREET AT STREET

Days per Week at Work: WDAY5
Universe: EMPLY=1

182 How many days per week do <YOU> work on average?

RANGE: 1-7

DK.....8
RF.....9

Work Mode: WMODE
Universe: EMPLY=1

183 How do(es) <PRN11> normally get to work?

WORKS AT HOME00
Walk01
Bike02
Auto / van/ truck driver03
Auto / van / truck passenger.....04
Public transit05
Dial-a-ride / Paratransit06
Taxi07
Motorcycle Driver.....08
Motorcycle Passenger09
OTHER, SPECIFY97
DK.....98
RF.....99

Transit Service used to travel to Work: WTRSB
Universe: WMODE=5

184 Which transit service do(es) <YOU> normally use to get to work? If <PRN11> use(s) multiple services, please tell me which service is used for the longest part of the trip to work. RECORD RESPONSE

Telecommute: TELEW
Universe: EMPLY=1

185 Does <YOUR> employer allow <PRN14> to work from home for pay on a regular basis? This would be in place of traveling to a regular work location, something that is commonly referred to as "telecommuting."

YES1
NO.....2
DK.....8
RF.....9

Flexible Work Schedule: SCHED**Universe: EMPLY=1**

186 Does <YOUR> employer offer any flexible work hours program for which <PRN11> are/is eligible to participate in?

YES1
NO2
DK8
RF9

Flexible Work Programs Offered: FLEXP**Universe: SCHED=1**

187 What type of program(s) does <PRN15> employer offer? SELECT ALL THAT APPLY, UP TO 4

9/80 work period1
Early arrival/Early departure2
4/40 work week3
OTHER (SPECIFY)7
DK8
RF9

Participation in Work Program: FLEXT**Universe: EMPLY=1**

189 Do(es) <PRN11> participate in <PRN26>?

Yes1
No2
DK8
RF9

Disabled License Plates: EDISA**Universe: AGE>5**

190 Do(es) <PRN11> have a special needs placard or license plate for your vehicle?

YES1
NO2
DK8
RF9

Disabled Transit Registration: EDIS2**Universe: AGE>5**

191 Are/Is <PRN11> a registered user of special transit services for the elderly or disabled (e.g., dial-a-ride)?

YES1
NO2
DK8
RF9

Education Level: EDUCA**Universe: All****191** What is the highest degree or level of school <PRN11> have/has completed?

Not a high school graduate, 12 grade or less (THIS INCLUDES VERY YOUNG CHILDREN TOO).....	1
High school graduate (high school diploma or GED).....	2
Some college credit but no degree	3
Associate or technical school degree	4
Bachelor's or undergraduate degree	5
Graduate degree (includes professional degree like MD, DDs, JD)	6
OTHER, SPECIFY	7
DK.....	8
RF.....	9

Student: ENROL**Universe: EMPLY=1****195** Are/Is <PRN11> a student?

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

Full-Time/Part-Time Student: FPTIM**Universe: ENROL=1****196** Are/Is <PRN11> a part-time or full-time student? .

Part-Time	1
Full-Time	2
DK.....	8
RF.....	9

School Grade Level Attending: SCHOL**Universe: ENROL=1****197** What school grade or level do(es) <PRN11> attend?

Daycare	01
Nursery school, pre-school.....	02
Kindergarten to grade 8.....	03
Grade 9 to 12.....	04
Technical/Vocational school.....	05
2-year college (community college).....	06
4-year college or university	07
Graduate school/professional	08
OTHER, SPECIFY	97
DK.....	98
RF.....	99

School Name: SNAME
Universe: ENROL=1

198 What is the name of that school?

School Address: SADDR
Universe: ENROL=1

199 What is the address of that school? RECORD STREET ADDRESS. HABITUALS ARE REQUIRED FOR DATA DELIVERY

School Address – City: SCITY
Universe: ENROL=1
201 [ENTER CITY]

School Address – State: SSTAT
Universe: ENROL=1
202 [ENTER STATE]

School Address – Zip Code: SZIP
Universe: ENROL=1

203 What is the zip code of this school location?

DK/RF99999

School Address – Cross-Street: SXSTR
Universe: ENROL=1 and SADDR is Null

204 What are the nearest cross streets to <YOUR> school? COLLECT CROSS STREETS IN THIS FORMAT
STREET AT STREET

School Mode: SMODE
Universe: ENROL=1

205 How do(es) <PRN11> normally get to school?

HOMESCHOOLED.....	00
Walk	01
Bike	02
Auto / van/ truck driver	03
Auto / van / truck passenger	04
Public transit	05
Dial-a-ride/Para transit	06
Taxi	07
School Bus	08
Motorcycle driver.....	09
Motorcycle passenger.....	10
OTHER (specify)	97
DK.....	98
RF.....	99

Transit Service used to travel to School: STRSB

Universe: SMODE=5

206 Which transit service do(es) <PRN11> normally use to get to school? If <PRN11> use(s) multiple services, please tell me which service is used for the longest part of the trip to school. RECORD RESPONSE

Number of Transit trips in past week: TTRIP

Universe: All

209 How many one-way trips (any) using Transit did <PRN11> make in the past 7 days? A round trip counts as two one-way trips. RECORD RESPONSE, RANGE 0 - 97

DK.....	98
RF.....	99

Bike Facilities at Work/School: BIKFA

Universe: EMPLY=1 or ENROL=1

210 Do(es) <PRN11> have a secure bike facility at school or work?

Yes	1
No.....	2
DK.....	8
RF.....	9

Bike used for recreation last week: BIKD1

Universe: HHBIC>0

211 How many days last week did <PRN11> bike for recreation? RECORD RESPONSE, RANGE 0-7

DK.....	8
RF.....	9

Bike used for transportation last week: BIKD2

Universe: HHBIC>0

212 How many days last week did <PRN11> use a bike for transportation, such as for work, school, errands,

etc.?

RANGE 0-7

DK.....8
RF.....9

Bike Trails/Lanes Used: BIKRD

Universe: HHBIC>0

213 Do(es) <PRN11> usually use off-road bike trails, on-road bike routes or lanes, or both while traveling by bicycle?

Off-road.....1
On-road2
Both.....3
DK.....8
RF.....9

Demographic/GPS Incentives: PRN10

Demographic Incentives

Universe: FLSIZ=1 or FLINC=1 or FLAGE=1 or FLVEH=1

1 We understand how valuable your time is and are offering your household \$25 in appreciation of your efforts if everyone in your household completes the study and provides valid travel information.

GPS Incentives

Universe: GTYPE=1

2 We understand how valuable your time is and are offering your household [CALCULATED: \$(25x<C1675>)-><INAMT>] if everyone in the household provides valid travel information.

VEHI1

Universe: HHVEH>0

244 Earlier you mentioned that you have <HHVEH> vehicle total in your household. Now I need to collect some information about this vehicle.

Year of Vehicle: YEAR

Universe: HHVEH>0

250 What is the year of this vehicle? RANGE: 1900 - 2011

DK.....9998
RF.....9999

Make of Vehicle: MAKEX

Universe: HHVEH>0

251 What is the make of this vehicle?

ACURA..... 11	BUICK..... 14	CHRYSLER..... 17
AUDI..... 12	CADILLAC 15	DAEWOO 18
BMW..... 13	CHEVROLET..... 16	DODGE..... 19

FORD	20	LEXUS	33	SATURN.....	46
GEO	21	LINCOLN.....	34	SCION.....	47
GMC.....	22	MAZDA.....	35	SUBARU.....	48
HARLEY DAVIDSON.....	23	MERCEDES	36	SUZUKI	49
HONDA	24	MERCURY.....	37	TOYOTA	50
HUMMER.....	25	MITSUBISHI	38	VOLKSWAGEN.....	51
HYUNDAI.....	26	NISSAN	39	VOLVO.....	52
INFINITI.....	27	OLDSMOBILE.....	40	YAMAHA.....	53
ISUZU	28	PLYMOUTH	41	OTHER, SPECIFY.....	97
JAGUAR.....	29	PONTIAC.....	42	DK.....	98
JEEP	30	PORSCHE	43	RF.....	99
KAWASAKI.....	31	RANGE ROVER	44		
KIA.....	32	SAAB.....	45		

Model of Vehicle: MODLX
Universe: HHVEH>0

252 What is the model of this vehicle? IF YOU DON'T FIND IT IN THE TABLE, SELECT 997.

OTHER, COLLECT IN NEXT QUESTION.....	997
DK.....	998
RF.....	999

Body Type of Vehicle: BODY
Universe: HHVEH>0

256 And is this a/an?

Car, sedan, or station wagon?	01
Van (ANY TYPE).....	02
SUV.....	03
Pick-up Truck.....	04
Other kind of truck.....	05
RV	06
Motorcycle	07
Or something else? SPECIFY	97
RF.....	99

Fuel Type of Vehicle: FUEL
Universe: HHVEH>0

257 What type of fuel does it use?

Gas	1
Diesel	2
Hybrid	3
Flex Fuel	4
OTHER (SPECIFY).....	7
DK.....	8
RF.....	9

Main User of Vehicle: USER
Universe: HHVEH>0

258 Who in the household is the main driver of this vehicle? RECORD RESPONSE

DK.....	98
RF.....	99

Travel Day Assignment: ASSN
Universe: All

272 As I mentioned previously, understanding your household's travel and activities is very important for improving transportation in your area and throughout Massachusetts. We will send you a diary for each member of your household to keep track of your travel and activities for 24 hours on READ DAY AND DATE. NO: Well, lets try a different time. How about READ ALT DAY AND DATE.

Travel Day Assignment, Refused: INT13
Universe: ASSN=999

277 These are all the questions we have for you today, thank you for your time.

Respondent First Name: RESPF
Universe: All

279 To whom should we address the envelope? INDICATE THAT INFORMATION IS NECESSARY, IF STILL REFUSE, TERMINATE

FIRST NAME

Respondent Last Name: RESPL
Universe: All
280 LAST NAME

PRON3
Universe: GTYPE=1 or 2

283 The travel diaries and the GPS devices will be shipped to you within the next week. After your travel date, promptly return the GPS devices by FedEx using the prepaid return envelope provided with the equipment. Is your home address the best place for us to have these items delivered to you? NOTE: P.O. BOXES ARE NOT VALID SHIPPING ADDRESSES FOR FEDEX. In order to mail the diaries to you, I need your physical address.

Mailing Address Type: MTYPE
Universe: All

285 Is this a home address, work address, or other address?

HOME.....1
WORK2
OTHER7

Company Name: MNAME
Universe: MTYPE=2

286 What is the company's name?

Mailing Address: MADDR
Universe: All

287 What is your street address? REQUIRED. NO PO BOXES ALLOWED.

Mailing Address – Suite: MSUIT
Universe: All

288 Do you have an apartment number or suite number? YES: What is it? NOTE: IF NONE, LEAVE IT BLANK. DO NOT TYPE "NONE"

Mailing Address – City: MCITY
Universe: All

289 What city is that in?

Mailing Address – Zip: MZIP
Universe: All

291 What is your zip code?

RANGE: 01001 - 02791 (VALID ZIP CODES IN MASSACHUSETTS) 99999 IS NOT VALID.

GEXPL
Universe: GTYPE=1

300 We will mail the diaries and GPS units to you in a few days. The package will include a pre-paid envelope to use when returning the equipment.

Physical Home Address: HADDR
Universe: All

303 What is your physical address? REQUIRED

Physical Home Address – Apt/Suite #: HSUIT
Universe: All

304 Do you have an apartment number or suite number? YES: What is it? CAN BE BLANK

Physical Home Address – City: HCITY
Universe: All

305 What city is that in?

Physical Home Address – Zip Code: HZIP
Universe: All

306 What is the zip code? RANGE: 01001 - 02791 (VALID ZIP CODES IN MASSACHUSETTS) 99999 IS NOT VALID

Confirm Physical Home Address: CMADD
Universe: All

310 You said that your home address is...

ADDR: <HADDR> APT/STE: <HSUIT> CITY: <HCITY> STATE: <HSTAT> ZIP CODE: <HZIP>

Is this correct? IF NO OR IS ANYTHING IS BLANK, YOU WILL GO BACK TO TRY AGAIN.

REMIN**Universe: All**

315 We will mail these to you in a few days and will call you again on <RMDAT> to make sure you have received them and to answer any questions. When we will call to ask about your travel on <BGDAT>, when would be the best time to reach you?

Morning.....1
Afternoon2
Evening3

HVDPH**Universe: All**

316 And should we call you at this telephone number or is there a different phone number where you would prefer to be called? THE # WE HAVE IS: \$N

CALL ME AT THIS NUMBER1
CALL ME AT DAYTIME/DIFFERENT NUMBER2

ALTPH**Universe: HVDPH=2**

317 And what is the number?

FORMAT: 999-999-9999

CBACK**Universe: All**

318 When we call back to collect your travel and activities, we will not ask to speak to 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 You: THANK**Universe: Demographic Incen or Unmatched Sample:**

1 “Again, I wish to thank you for agreeing to participate in the study. If everyone in your household provides valid travel information by [TRAVEL DAY + 15 days], your household will receive \$<INAMT> to thank you for your efforts. 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, you can reach us at 888-222-7734. Thank you and have a good day/night.

Universe: GTYPE=1

2 We understand how valuable your time is and want to thank you for agreeing to participate in the GPS portion of the study. We are offering your household <INAMT> if everyone in your household provides valid travel information by [TRAVEL DAY + 15 days]. 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, you can reach us at 888-222-7734. Thank you and have a good day/night.

#3-No incentive

Thank you for participating in the Massachusetts 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, you can reach us at 888-222-7734. Thank you and have a good day/night.

Universe: Matched

5 We understand how valuable your time is and want to thank you for your participation.

EXPLANATION TEXT AS NEEDED:

F6

Universe: All

348 We're asking households to record their travel for a 24 hour period. The travel details help us understand the times of day people are traveling and where they are traveling to. IF NEEDED: We will send you diaries to record your trip information. This information is for research purposes only and will be held in strict confidence.

F7

Universe: All

349 The purpose of this study is to help identify ways of improving local transportation. All the information that you provide will be held in strict confidence and will be used only to benefit your community. Would you help your community by participating in this important study?

Appendix B: Retrieval Survey

Introduction: INT02

Universe: All

93 Hi - this is _____ and I'm calling about the Massachusetts Travel Survey. We recently spoke with <RESPF> <RESPL> and are calling back now to complete the interview. NO: Can I speak with her/him now? NEW RESPONDENT, REPEAT INTRO. <PRON6> on a <GDAY> at <TMCMP> ASSN:<ASSN>

CONTINUE	OK
RECONSTRUCTION OF TRAVEL DAY.....	RD
ENTERING A MAIL-IN	CE
RESPONDENT WILL MAIL IN LOGS	ML
RESPONDENT HAS MAILED IN LOGS.....	HM
LOGS RECEIVED.....	LR
-----	
NO ANSWER	NA
BUSY	BZ
ANSWERING MACHINE	AM
LEFT MESSAGE.....	LM
-----	
DISCONNECT.....	ID
COMPUTER/FAX MACHINE	IM
BUSINESS/GOVERNMENT	IG
CALLER ID	PM
WRONG NUMBER, NEED TO RESEARCH	IW
-----	
SPECIFIC CALLBACK	KB
GENERAL CALLBACK.....	KH
CALL BACK IN 5 MINUTES	K5
NEW NUMBER (HAVE NEW NUMBER).....	KN
-----	
SPANISH CALLBACK, HOUSEHOLD	SH
SPANISH CALLBACK, RESPONDENT.....	SB
SPANISH ANSWERING MACHINE.....	SA
SPANISH BUSY.....	SZ
SPANISH NO ANSWER.....	SN
-----	
RESCHEDULE, CALLBACK	RT
RESCHEDULE, NEED TO RE-MAIL, CALLBACK	RM
-----	
1ST REFUSAL	R1
2ND REFUSAL	R2
3RD REFUSAL.....	R3
4TH REFUSAL.....	R4
5TH AND FINAL REFUSAL	R5
-----	
HUNG UP (W/O A WORD).....	RH
2ND HANG UP	H2
3RD HANG UP.....	H3
4TH HANG UP.....	H4
5TH AND FINAL HANG UP.....	H5
-----	

INTERNET RETRIEVAL CW

Reached on Cell phone: CELLP

Universe: All

109 Have I reached you on a cell phone? IF THEY MENTION COST OF THEIR CELL MINUTES: We will reimburse you \$5 to cover the cost of being on your cell phone for the interview.

YES 1
NO 2

New Phone Number: NEWPH

Universe: CELLP=1

110 Is there a different number where I can reach you?

YES 1
NO 2

Telephone Number: TEL02

Universe: NEWPH=1

111 What is that number? FORMAT: 999-999-9999

INT05

Universe: NEWPH=1

112 We will call you back on this number shortly. Thank you. WRITE DOWN QUESTIONNAIRE NUMBER AND CALLBACK

Cell Phone Flag: CFLAG

Universe: CELLP=1

114 DID THE RESPONDENT ASK FOR THEIR CELL-PHONE MINUTES TO BE REIMBURSED?

YES 1
NO 2

SCPT1

Universe: All

115 Last week, we spoke with you about the travel survey and sent you a diary <PRON3> to record your travel on <ASSN>. I'd like to collect your information now. First, I need to verify demographic information (particularly household size, household member characteristics, and household vehicle info). <LKPER> <LKVEH>

GPS Incentive Text: MITEX

Universe: GTYPE=1

116 Once we collect all of the necessary information for each person in your household, we will send you a check for <GAMNT> in appreciation of your participation.

Demographic Incentive Text: INTEx
Universe: GTYPE<>1 and INCEN=1

117 Once we collect all of the necessary information for each person in your household, we will send you a check for <INAMNT> in appreciation of your participation.

Income: INCOM
Universe: INCOM=99

334 I realize you refused this question during recruitment and I understand if you feel uncomfortable answering this question. However, we only ask about income to ensure all households are equally represented in our survey. Also it has been found to be related to the types of trips households make.

Less than \$15,000.....	01
\$15,000 to \$24,999.....	02
\$25,000 to \$34,999.....	03
\$35,000 to \$49,999.....	04
\$50,000 to \$74,999.....	05
\$75,000 to \$99,999.....	06
\$100,000 to \$149,999.....	07
\$150,000 or more	08
REFUSED	99

INT03
Universe: All

350 Okay, now I'd like to collect the trip information your household recorded for <ASSN >. ALL: We'll begin with your information.

Typical Day: TYPDY
Universe: All

371 In general, would you say that <ASSN> was a typical day for you?

YES	1
NO: Why not?	2
NOT ASKED-MAIL IN	3

Trips Planned: TYPPL
Universe: All

372 Were most of <YOUR> travel and activities for this period planned in advance or did you change your plans as the day progressed?

PLANNED	1
CHANGED, SAY: What happened that caused the change in plans?	2
DK	8

Completed Logs: CMPLG**Universe: All**

373 I'd like to talk about the travel and activities <YOU> recorded in the diary we sent. Did <YOU> complete the travel log?

YES (COMPLETED).....1
NO (NOT COMPLETED)2
DID NOT RECEIVE MATERIALS.....3
DK.....8
RF.....9

Have Travel Log: HVLOG**Universe: CMPLG=1**

374 Do you have <YOUR> completed diary with you now? IF NEEDED: I can wait while you get it.

YES1
NO2
REFUSED9

No Travel Log: NOLOG**Universe: CMPLG<>1 or HVLOG<>1**

375 Let's continue with the interview anyway. Please try to recall the information as best as you can.

CONTINUE1

Number of Places Visited on Travel Day: TOTPL**Universe: All**

377 How many total places did <YOU> visit over the course of the travel day?

TTBUT**Universe: All**

378 FIRST TIME YOU READ THIS: I will now use an interactive mapping tool to map your home/work/school locations. BWHEN YOU COLLECT THE TRIP INFO FOR PERSON ONE:/B Thank you for providing me information about your home/work/school locations. Using the same mapping tool we used to collect your habitual addresses, I'll now collect the addresses for the places you visited on your travel day. We'll work together through each place using whatever information you have available, such as location names, addresses, cross-streets or landmarks. Let's start with where you were at 3AM- home or someplace else? WHEN YOU COLLECT THE TRIP INFO FOR ALL OTHER PERSONS: Using the same mapping tool I'll now collect the addresses for the places this person visited on their travel day.

Place Type: PTYPE**Universe: All**

391 IF PLACE 1: Okay, where were/was <YOU> at 3 am on <ASSN>. OTHERWISE: Where did <YOU> go next?

My Home	1
My Work	2
My School	3
Transit Stop	4
new place - in area.....	5
new place - out of area (obtain city and state).....	6

Travel Mode: MODE**Universe: All**

392 How did <YOU> get there?

WALK.....	01
BIKE	02
AUTO/VAN/TRUCK DRIVER	03
AUTO/VAN/TRUCK PASSENGER	04
PUBLIC TRANSIT BUS	05
PUBLIC TRANSIT RAIL/TRAIN	06
FERRY/BOAT	07
DIAL-A-RIDE/PARATRANST	08
TAXI	09
SCHOOL BUS	10
MOTORCYCLE DRIVER	11
MOTORCYCLE PASSENGER	12
Other (Specify).....	97

Arrival Time: ARRTM**Universe: All**

393 What time did <YOU> arrive? IF NEEDED: You can just tell me approximately when <YOU> arrived? ENTER IN MILITARY TIME, HHMM 0000-MIDNIGHT, 1200-NOON, 2359-11:59PM, 0030-12:30AM

Number of People on Trip: PARTY**Universe: MODE<>9 and 10**

394 How many others traveled with <YOU>? DO NOT INCLUDE RESPONDENT

NONE.....	0
ONE	1
TWO.....	2
THREE.....	3
FOUR	4
FIVE.....	5
SIX	6
SEVEN.....	7
EIGHT OR MORE.....	8

Number of Household Members on Trip: HHMEM**Universe: PARTY>0**

395 Of these, how many were household members? ENTER NUMBER, RANGE 0-9 DO NOT INCLUDE RESPONDENT

Which Household Members Traveling: PERTP**Universe: HHMEM>0**

396 Which household members were with <YOU> on this trip? ENTER PERNO USE SUMMARY FOR PERSON #'S

NONE.....	00
01.....	01
02.....	02
03.....	03
04.....	04
05.....	05
06.....	06
07.....	07
08.....	08
MORE THAN 8 PERSONS, SPECIFY THOSE NOT	
ENTERED ABOVE IN THIS FORMAT: ## ## ## ##	10
DK/RF	99

Transit Mode Type: MODE2**Universe: MODE=5 or 6**

404 What type of transit service did <YOU> use?

Local Bus	1
Express Bus.....	2
Shuttle Bus	3
Subway.....	4
Commuter Rail	5

How Fare was paid: FARE**Universe: MODE=5, 6, or 7**

405 How did <YOU> pay <YOUR> fare?

Cash.....	01
Weekly pass	02
Monthly pass	03
Charlie Card	04
Student ID	05
Transfer	06
Charlie Ticket.....	07
OTHER (SPECIFY).....	97
DK.....	98
RF.....	99

Transit Route used: ROUTE

405 ROUTE – Asked next (open-ended)

Vehicle Number: VHTNO

Universe: MODE=3, 4, 11, or 12

406 Which vehicle did <YOU> use? ENTER HH VEH NUMBER OR 97 FOR NON-HH VEHICLE. USE VEHICLE SUMMARY FOR VEHICLE NUMBERS

ONE	01
TWO.....	02
THREE.....	03
FOUR	04
FIVE.....	05
SIX	06
SEVEN.....	07
EIGHT.....	08
NON-HOUSEHOLD VEHICLE	97
DK.....	98
RF.....	99

Reason Vehicle not Used on Travel Day: REAVH

Universe: VEHNO not used on TDAY

407 What was the reason a household vehicle was not used?

Parking Location Type: PRKTY

Universe: MODE=3, 4, 11, or 12

408 Where did <YOU> park?

Parking Lot.....	1
Parking Garage.....	2
Street	3
Driveway/Personal Garage.....	4
Did not park	5
Driveway	6
OTHER (SPECIFY).....	7
DK.....	8
RF.....	9

Location where Person parked: PLOC

Universe: MODE=3, 4, 11, or 12

409 Did you park at this location or off site?

At this destination	1
Off site.....	2
DK/RF	9

Cross-Street of Parking Location: PRKLC
Universe: MODE=3, 4, 11, or 12 and PLOC>1

410 Where is the parking lot, parking garage, or on-street parking located? RECORD CROSS STREETS

Pay to Park: PAYPK
Universe: MODE=3, 4, 11, or 12

411 How much did <YOU> pay to park?

Did not pay	1
RECORD RESPONSE.....	2
DK.....	8
RF.....	9

Unit of Cost: PRKUN
Universe: MODE=3, 4, 11, or 12 and PAYPK=2

412 Was the cost per...

Hour	1
Day	2
Week	3
Month.....	4
Year	5
DK.....	8
RF.....	9

How Parking was Paid: PRKHW
Universe: PAYPK=2

413 How did <YOU> pay for parking?

Cash/Credit/Debit Card	1
Pre-paid parking pass	2
Employer-provided parking pass	3
DK.....	4
RF.....	5

How much paid out of pocket: EPARK
Universe: PAYPK=2

414 How much did <YOU> pay "out-of-pocket" to park that was not reimbursed by <YOUR> employer?
RECORD RESPONSE

RANGE: 1-5000

Toll Road Used: TOLLF
Universe: MODE=3, 4, 11, or 12

415 Did <YOU> use a toll road on <YOUR> trip?

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

Which Toll Road Used: TOLLT**Universe: TOLL=1****416** Which toll road did <YOU> use?

Turnpike	1
Ted Williams Tunnel.....	2
Sumner Tunnel	3
Tobin Bridge	4

Where Toll Road was entered: TOLLE**Universe: TOLLF=1****416a** Where did you enter (the) [TOLL ROAD MENTIONED IN TOLLT]?

West Stockbridge (Plaza 1)	1	Allston / Brighton (Plaza 19).....	19
Lee (Plaza 2)	2	Allston / Brighton (Plaza 20).....	20
Westfield (Plaza 3)	3	Allston / Brighton (No plaza specified)	21
West Springfield / I-91 (Plaza 4).....	4	Dartmouth Street (Plaza 22)	22
Chicopee (Plaza 5)	5	South Station/I-93 N/S (Plaza 24)	24
Springfield / I-291 (Plaza 6).....	6	South Boston (Plaza 25)	25
Ludlow (Plaza 7)	7	Westborough / I-495 (Plaza 26)	26
Palmer (Plaza 8)	8	Worcester / Rt. 146 (Plaza 25)	27
Sturbridge / I-84 (Plaza 9).....	9	Logan Airport (Summer Tunnel).....	30
Worcester/Auburn/I-290 (Plaza 10)	10	Logan Airport (TWT Airport).....	31
Worcester / Millbury (Plaza 11).....	11	Logan Airport (TWT Rte 1A)	37
Framingham (Plaza 12)	12	Logan Airport (Not specified)	39
Natick / Rt. 30 (Plaza 13).....	13	Massachusetts Avenue	91
Weston / Rt. 128 / I-95 (Plaza 14).....	14	Clarendon Street	92
Newton / Boston / Weston (Plaza15)	15	Arlington Street	93
West Newton (Plaza 16).....	16	Don't Know	98
Newton Corner (Plaza 17).....	17	Refused.....	99
Allston / Brighton (Plaza 18).....	18		

Where Toll Road was Exited: TOLLX**Universe: TOLLF=1****416b** Where did you exit (the) [TOLL ROAD MENTIONED IN TOLLT]?

West Stockbridge (Plaza 1)	1	Allston / Brighton (Plaza 18).....	18
Lee (Plaza 2)	2	Allston / Brighton (Plaza 19).....	19
Westfield (Plaza 3)	3	Allston / Brighton (Plaza 20).....	20
West Springfield / I-91 (Plaza 4).....	4	Allston / Brighton (No plaza specified)	21
Chicopee (Plaza 5)	5	Dartmouth Street (Plaza 22)	22
Springfield / I-291 (Plaza 6).....	6	South Station/I-93 N/S (Plaza 24)	24
Ludlow (Plaza 7)	7	South Boston (Plaza 25)	25
Palmer (Plaza 8)	8	Westborough / I-495 (Plaza 26)	26
Sturbridge / I-84 (Plaza 9).....	9	Worcester / Rt. 146 (Plaza 25)	27
Worcester/Auburn/I-290 (Plaza 10)	10	Logan Airport (Summer Tunnel).....	30
Worcester / Millbury (Plaza 11).....	11	Logan Airport (TWT Airport).....	31
Framingham (Plaza 12)	12	Logan Airport (TWT Rte 1A)	37
Natick / Rt. 30 (Plaza 13).....	13	Logan Airport (Not specified)	39
Weston / Rt. 128 / I-95 (Plaza 14).....	14	Massachusetts Avenue	91
Newton / Boston / Weston (Plaza15)	15	Clarendon Street	92
West Newton (Plaza 16).....	16	Arlington Street	93
Newton Corner (Plaza 17).....	17	Don't Know	98

Toll Road Amount: TOLLC

Universe: TOLLF=1

417 How much did <YOU> pay for the toll? RECORD RESPONSE

RANGE 1-50

Reason for Using or Not Using HOV Lane: HOV

Universe: MODE=3 and TOTTR>2

418 IF an HOV lane was available, why did <YOU> choose not to use it?

SPECIFY..... 1

Main Trip Purpose: TPUR1

Universe: All

419 What did you do there?

AT MY HOME

Working at home (for pay).....01

All other at home activities02

AT MY WORK LOCATION

Work/Job03

All other activities at Work04

AT MY PRIMARY VOLUNTEER LOCATION

Volunteer work/activities05

AT MY SCHOOL

Attending Class06

All other activities at school.....07

WHILE TRAVELING

Change type of transportation/transfer.....08

Dropped off passenger/driver from car09

Picked up passenger from car.....10

OTHER - SPECIFY11

AT OTHER PLACES

Work/business related12

Service private vehicle (gas, oil lube, etc.)13

Routine shopping (groceries, clothing, convenience store, HH maintenance).....14

Shopping for major purchases or specialty items (appliance, electronics, new vehicle, major HH repairs) ...15

Household errands (bank, dry cleaning, etc.).....16

Personal business (visit government office, attorney, accountant)17

Eat meal outside home18

Health care (doctor, dentist)19

Civic / religious activities.....20

Outdoor recreation/entertainment21

Indoor recreation/entertainment22

Visit friends/relatives23

Loop Trip96

Other (SPECIFY)97

Secondary Trip purpose: TPUR2**Universe: All****420** And what else did <YOU> do there?

NO OTHER ACTIVITIES.....	00
AT MY HOME	
Working at home (for pay).....	01
All other at home activities	02
AT MY WORK LOCATION	
Work/Job	03
All other activities at Work	04
AT MY PRIMARY VOLUNTEER LOCATION	
Volunteer work/activities	05
AT MY SCHOOL:	
Attending Class	06
All other activities at school.....	07
WHILE TRAVELING	
Change type of transportation/transfer.....	08
Dropped off passenger/driver from car	09
Picked up passenger from car.....	10
OTHER - SPECIFY	11
AT OTHER PLACES	
Work/business related	12
Service private vehicle (gas, oil lube, etc.)	13
Routine shopping (groceries, clothing, convenience store, HH maintenance).....	14
Shopping for major purchases or specialty items (appliance, electronics, new vehicle, major HH repairs)	15
Household errands (bank, dry cleaning, etc.).....	16
Personal business (visit government office, attorney, accountant)	17
Eat meal outside home	18
Health care (doctor, dentist)	19
Civic / religious activities.....	20
Outdoor recreation/entertainment	21
Indoor recreation/entertainment	22
Visit friends/relatives	23
Loop Trip	96
Other (SPECIFY)	97

Departure Time: DEPTM**Universe: All****421** IF LAST PLACE OF THE DAY, ENTER 0259 OTHERWISE: What time did <YOU> leave for the next place?**Stops along your Travel: CHCK****Universe: PLANO>1****422** Did <YOU> make any stops along your travel to <PLNAM> (this place), such as a quick errand, to stop for fuel, grab some food, or to pick up drop off a friend or family member?

YES	1
NO	2

ADCK1**Universe: All****423 DID THEY HAVE ADDITIONAL TRIPS THEY DID NOT MENTION???**

YES1
 NO2

LASTR**Universe: DEPTM=0359**

434 Did <YOU> make any additional trips after you were settled in for the evening, such as to run a quick errand, grocery shopping, video rental, grab a bite to eat, or to pick up drop off another person?

YES-GO BACK TO CHANGE DEPARTURE TIME AND COLLECT UNREPORTED TRIPS 1
 NO-CONTINUE TO NEXT PERSON2

ADCH1**Universe: All****435 DID THEY HAVE ADDITIONAL TRIPS THEY DID NOT MENTION???**

YES1
 NO2

Reason for No Trips: NOGO**Universe: PTRIPS=0**

436 So, <YOU> made no trips, including for work or school? Why not? IF TRAVELED: BACK UP AND ENTER MISSING TRIPS

PERSONALLY SICK.....01
 CARETAKING SICK KIDS02
 CARETAKING SICK OTHER03
 HOME-BOUND ELDERLY OR DISABLED04
 WORKED AT HOME FOR PAY05
 WORKED AROUND HOME (NOT FOR PAY).....06
 OUT OF AREA.....07
 OTHER. SPECIFY97
 DID TRAVEL.....98

Internet Use for Shopping in place of making trip: INUSE**Universe: All**

438 Did <YOU> shop on the internet on the assigned travel date in place of making an out-of-home trip?

Yes1
 No.....2
 DK.....8
 RF.....9

Appendix C: Interviewer Training Manual



Massachusetts Travel Survey

Interviewer Training Manual

Survey Conducted on Behalf of:



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Massachusetts Travel Survey Project Information

Study Purpose:

- The Massachusetts Department of Transportation is developing a new plan for guiding future growth and transportation investment in Massachusetts. The plan will assist MassDOT in future transportation improvements that will benefit Massachusetts at both a local level as well as at a statewide level.
- To plan transportation improvements and other projects that affect mobility, access to jobs, air quality, and quality of life.

Qualifications:

Adult in the household 18 years or older

Live Program:	http://luna.datasource.us/intweb.dll/vcc/MASS_FS
Dial Code:	ED 3030 SM 2030
Study area:	Massachusetts
Time Zones:	Eastern Time (1 hour ahead of Texas)
Dialing Hours:	9AM-8 PM Mon-Fri 11-7PM Sat 12-7PM Sun
Avg Survey Length:	18 minute Recruit / 25 Minute Retrieval
Goal CMs:	22,000 Recruits / 15,000 Retrievals
Goal CPH:	0.95 Recruitment / 0.9 Retrieval
Language:	English and Spanish Portuguese and other languages will need to be tracked for client's needs)
Survey Method:	CATI and Mail (contact card input – telephone, mail, web)
Prod. Coord:	Arman Moreno/Meagan Brackin
QC Coord:	Jeremy Frost
Toll Free DS Hotline:	1-888-222-7734
Client Contact:	Bob Frey (pronounced “fry”) 1-617-973-8900 E-mail- travelsurvey@eot.state.ma.us
Informational Website(s):	www.mass.gov/eot/travelsurvey

Massachusetts Travel Survey Overview

1. What is the Massachusetts Travel Survey?

The Massachusetts Travel Survey (MTS) is the first in-depth study of the state's household travel and activity patterns since 1991. From spring 2010 to spring 2011, the Massachusetts Department of Transportation (MassDOT) will ask 22,000 households to identify where and how they traveled on a specific, designated travel day (24 hours) with a goal of actually collecting these data from a minimum of 15,000 households.

To ensure a sample that is representative of Massachusetts households, each household will be asked a series of detailed questions about their socioeconomic characteristics and access to transportation. When completed, these data will be used to estimate how much travel is generated by all households in each of the state's metropolitan planning organization (MPO) regions, which include all major communities from Plymouth to Pittsfield, New Bedford to Newburyport, Cape Cod, the islands, and all rural areas as well.

MassDOT has contracted with NuStats to help design and execute this survey. All interviewers will be informing households that they are calling concerning the Massachusetts Travel Survey on behalf of MassDOT. You are not a MassDOT employee, but rather working on their behalf.

2. What is the purpose of the Household Travel Survey?

The purpose of this survey is to provide MassDOT with demographic and travel behavior data they need to update their travel demand model. With the information collected, MassDOT can better plan roadway improvements, address traffic congestion, and plan for future transportation needs.

3. What does the Travel Survey consist of?

The Travel Survey consists of five basic components:

- **Advance Mailing** – All sampled households will be sent an advance letter and brochure. For unmatched households (i.e., no land-line telephone number could be found for the sampled address), these households will be offered a \$25 incentive. These households are likely “no-phone” or “cell phone only” households and are therefore hard-to-survey. The unmatched households will also be sent a “Contact Card” in which they can mail it back, call us, or go to our website to enter their contact information. These households can participate via mail (both recruitment and retrieval) if they wish to do so.
- **Recruitment Call** - Respondents are called and invited to participate in the Massachusetts Travel Survey. Interviewers will provide details regarding the study, and collect household demographic information for the household and each person within the household. Data for each vehicle available to the household will also be collected. At the conclusion of the interview, the interviewer assigns the respondent a specific travel day. 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 travel day. Each assigned travel day begins at 3:00 a.m. and continues until 2:59 a.m. the following day.

- **GPS** – A Global Positioning System (GPS) component is part of this study among a subset of pre-selected households. Each GPS household will have person-based units deployed (ages 16-75) for a period of two consecutive weekdays. If the travel day is a Monday, Tuesday, Wednesday, or Thursday, each recruited household will use the unit for two days. If a travel day falls on a Friday, then they will use the unit(s) for four days (Friday-Monday).

Because there is interest in ensuring a representative sample, households that do not speak English or Spanish will be tracked (i.e., Portuguese and “other” languages). The client will track these non-English/Spanish speaking households by geography and will attempt to include them in the survey if warranted.

- **Mailing of Diaries and GPS Deployment** – The day following recruitment, all households will be mailed a personalized diary along with a cover letter thanking them for their participation. Data for each GPS recruited household will be sent to GeoStats for processing and deployment. GPS packages (letter, instructions, diaries, and GPS units) will be assembled in Boston and shipped to households. GPS households will be provided with a return label for shipment back to GeoStats’ deployment team for data downloading and preparation for the next shipment.
- **Reminder Call-** On the night before the respondent’s travel day, interviewers will contact the respondent to remind them about their travel day and also to confirm that their household travel diaries were received. GPS households will be reminded of the process as well. For households in which contact is not made and an answering machine is available, a message will be left reminding them of the travel day, a reminder to record addresses, and if a GPS household, how many days to deploy (again, four days for Friday travelers).
- **Retrieval-** Retrieval for the household begins the day after the assigned travel day. Interviewers contact the respondent and collect the household’s travel info for that day. Travel data is collected using a combination of CATI and Trip Tracer (an interactive mapping program).

4. Interviewer Tips/Protocols:

- When administering the survey, be sure to speak clearly and control the pacing of the interview. Speaking too fast/too slow can cause the respondent to lose interest in the survey and potentially refuse.
- Utilize the Massachusetts Pronunciation guide to correctly pronounce town names. Incorrectly pronouncing a town name can decrease the respondent’s willingness to participate in the survey.
- All survey questions are to be read strictly verbatim.
- Respondents should be addressed as Mr./Mrs. LAST NAME instead of Mr/Mrs. FIRST NAME.
- All interviewers are required have their training materials present at all times, and to be prepared to field respondent questions as needed.

5. Incentives

In addition to providing respondents with an opportunity to help plan for transportation improvements in the state, certain respondents are offered an incentive for participation. However, only certain households will receive incentives. For this reason, **NEVER** mention anything about an incentive unless the program prompts you to do so. The incentive break down is as follows:

Cell Phone Contacts: If the respondent is providing their information on a cell phone, we can offer an incentive of \$5. However, we **ONLY** offer this incentive **IF** the respondent complains/is concerned regarding their cell phone minutes. If a respondent is providing information on a cell-phone but never mentions a concern about their minutes- then we do **NOT** offer a \$5 incentive. Respondents receive this incentive 8 to 10 weeks after the retrieval info is provided.

Unmatched/Targeted Sample Incentives. Households from the unmatched sample will be offered \$25. These are likely non-telephone or cell-only households and fall into the “hard-to-survey” market segment (targeted sample). There are other types of households that are typically hard to survey – e.g., young, low-income, high-income, zero-workers, etc. We will offer an incentive to these households as well. If a household falls into a category as “hard-to-survey,” the CATI program will prompt you to offer the incentive.

GPS Incentives: Households selected for the GPS portion of the study receive 25\$ per household member (Must be in the age range of 16-75) once their diary and GPS information is provided. (Incentive is mailed 8 to 10 weeks after retrieval info is provided)

A household may fall into more than one category. If they are a GPS household and fall into a “hard-to-survey” category, the GPS incentive prevails. If a household is not GPS and falls into more than one hard-to-survey category, then a maximum of \$25 is offered. In summary:

GPS and targeted sample - \$25 per household member (Age range 16-75)

GPS and not targeted sample - \$25 per household member (Age range 16-75)

Not a GPS household but targeted sample and/or unmatched - \$25 for household

Not a GPS and not targeted and not unmatched- \$0

Massachusetts Travel Survey FAQ

Who is being asked to participate in the Survey?

Participants in the survey will be randomly selected from a list of household addresses to ensure participation from all thirteen MPOs in the Commonwealth and from different community types. Household addresses with a land line phone number will be contacted by phone. Those households without a land line phone number (including cell phone only households or non-telephone households) will be contacted by mail through the advance mailing step. The unmatched land line telephone households will be sent a contact card and asked to provide their contact information through the project website (using a personal identification number), by calling us directly, or mailing their contact card back to us. A letter and brochure will be sent to all household addresses requesting their participation whether matched or unmatched with a land line telephone number.

What will be done with the data collected from the survey?

The data collected from participating households will be statistically summarized to describe a variety of typical daily activities and resulting travel patterns. For example, what general activities do people engage in, what means of travel do they use to get to these activities, where are these trips coming from and going to, to what extent are the trips linked together, at what time of day are the trips made, and so on.

How will the Commonwealth and the MPOs use the information?

This information is vital to forecasting future travel patterns and needs at the state, regional, and local levels. Travel forecasts are used to help evaluate and prioritize proposed transportation projects for federal funding. All types of projects (highway, transit, bicycle, pedestrian) are considered.

The data will not be used for marketing purposes or be sold to third-party vendors for that purpose. All information collected will be held in strict confidence.

What is meant by “travel” and “activity”?

For this survey, “travel” means going from one place to another for any reason. “Activities” are the general categories of things you’re doing – and the reason for your travel. These could be going to work, shopping, visiting friends, attending an event, or even just going for a walk in the neighborhood (a “loop trip” where there is not clear destination).

The survey is designed to collect each “leg” of a trip. For example, if a person walks to a bus stop, rides the bus, transfers to another bus, and then walks to their final destination, this is four trips and each should be collected as such. Likewise, if a person drives to a bus stop, rides the bus, and then walks to their final destination, these are counted as three separate trips.

How long will the survey take?

The initial phone interview to screen a household and collect demographic data usually takes between 15 and 20 minutes and will depend on the number of household members and the number of vehicles the household owns or has available. If the respondent agrees to participate, you will then ask them to agree to an assigned travel day. If they agree with that date or select another day with the interviewer (i.e., not out of convenience but only if the entire household will not be in the state), then NuStats will send the household a travel diary for each household member and instructions on how to fill out the diary on their travel day.

Afterwards, the household will be contacted the day before their scheduled travel day to help remind them of the travel day and to answer any questions. This is a five-minute call.

The travel day will begin at 3:00 AM and last for 24 hours. The respondent will be asked to simply record all trips as they would normally occur throughout the day. If the respondent records their travel throughout the day, the recording time will be minimal. If they record their trips at the end of the day, it may take additional time to recall each and every trip.

The day after the travel day, retrievers call to collect the household's results. Depending on the amount of persons in the household, this will take from 20 to 30 minutes. After the data is collected over the phone, the household is asked to mail the diaries to NuStats' data collection facility.

If there are any questions about the respondent's recorded trip data, they will receive a follow-up phone call. This follow-up call should not take any more than a few minutes.

Why should the respondent participate?

This is the respondent's opportunity to help their community! Surveys of this type are usually not taken more than once in a decade (or even longer). There are more than 2.6 million households in Massachusetts. If respondents participate, their household will be one of about 15,000 selected to represent all the rest. When respondents participate, they ensure that their travel needs and behavior are included in the survey. This information helps build a fuller, more accurate picture of local transportation needs, and ensure that public funds for improvements are spent where they are needed most.

Local and state decision-makers require accurate, updated travel information to make the best recommendations for improvements, and to maintain federal funding eligibility for transportation projects. The respondent's information will be used to help manage the transportation system efficiently and effectively, and will enable Massachusetts to get the most value out of future transportation investments. Making wise transportation investments can provide better access to jobs and housing, reduce traffic congestion, and increase mobility – all of which can improve our economy, our environment, and our quality of life.

If a respondent has ever wondered how they might influence the traffic they sit in daily, this is their chance to play a part in improving the situation!

Can the respondent participate even if they don't get a recruitment call from a phone interviewer?

Due to the need to gather statistically accurate information that represents the study area, we can only include randomly chosen households. If a respondent wishes to see if they are one of the randomly selected participants, please have them call 1-888-222-7734.

Why do we want to know about the characteristics of people in the household?

We ask a number of questions about households and the people in them because we are not only trying to describe travel patterns but also to understand why they occur. By collecting household characteristics along with travel patterns, we are able to better understand why people travel the way they do and this enables us to estimate future travel patterns as the population grows and changes.

Why do we want to know about the respondent's activities?

When transportation planners can better understand how people's activities are arranged and how travel plans are made, it helps them to make better recommendations for improvements that could ultimately make it easier for respondents to get where they're going.

Will any of the information collected be useful for environmental purposes?

Yes. The survey contains questions about vehicles in the household how those vehicles are used during the travel period. It is important to know what type of vehicles are being used, which helps to estimate fuel consumption and greenhouse gas emissions resulting from daily travel patterns. Improving air quality by reducing vehicle emissions is an important part of transportation planning and decision-making. The survey will also ask about respondent's walking or bicycling to/from various locations and activities. This information may help to improve infrastructure that would support more non-motorized trips to reduce carbon emissions and the need for petroleum-based transportation.

Will the respondent's individual data be made public?

NO, the survey is strictly confidential. All survey responses will be separated from any personal identifying information before the results are provided to the Commonwealth and the 13 MPOs. Data provided to each MPO will be summarized by geographic and socioeconomic categories before being made public.

Will the respondent's information from the survey be available to the public?

Their specific activities and travel patterns will remain strictly confidential, as will any contact information name, phone number, email address, etc.). Key findings about travel patterns drawn from the survey will be published following completion and analysis of the survey. This information will be general in nature and will relate to the state and regional transportation needs.

What if the respondent doesn't feel comfortable answering some of the questions?

We promise strict confidentiality of all the information collected but, of course, the respondent decline to answer any question. However, interviewers need to ensure the proper probing and rebutting procedures are used to alleviate any concern a respondent may have about a particular question.

Why is the travel and activity log so important?

Past experience has shown that if respondents do not use a log to record their travel and activities, they forget key details about what they've done and the places they've been. It is really important that all trips, even short stops in the evening, and all activities no matter how routine are captured in the survey.

How much detail is needed on each place the respondent visits?

Detailed location information is an important part of analyzing travel patterns. Providing detailed information such as the bus stop/train station, street address, town, zip code, cross street and nearby landmark will enable transportation planners to see which streets, highways, and transit services are being used. When a respondent visits a place and records it in their travel diary, providing as much detail as possible about *where* the place is will reduce the amount of information that that will need to be clarified during the retrieval interview, and ultimately make the effort less time-consuming for everyone (including you!).

What if out-of-the-ordinary events happen during my assigned travel period that changes my travel?

On any given day, many households across the state have a “non-ordinary” travel day. But collectively, all these variations – less travel, more travel, and different travel – have a major effect on the overall travel patterns generated by thousands of households. So even if the assigned travel period turns out to be out-of-the-ordinary for the respondent or any family member, it is important that the respondent records their travel in the travel logs for the assigned period. In statistical terms, accounting for these variations produces survey results that better represent the true travel picture overall.

What if the respondent traveled out of Massachusetts during my travel period?

If the respondent travels out of the state during their assigned travel period, they will be asked to provide us the details of all travel and activities completed within Massachusetts, and where they first went when they left the state (for example, commuting to a job in Providence or Nashua, or a trip to the airport and then a flight to Chicago). If the respondent returns to the state during the travel period, they will be asked to tell us about their travel and activities once they’re back in Massachusetts.

What if the respondent doesn’t drive a car?

We are interested in all types of travel – by train, bus, ferry, walk, bicycle, car, truck...any means used to get around.

What if the respondent doesn’t travel very much?

Some people feel that just because all they did during their “travel period” was visit a friend or go to the post office, this information would not be important. In fact, these people, as well as those who don’t travel at all during their travel period, are just as important as someone who did. Remember that the purpose of the survey is to get a complete picture of travel patterns throughout the state. So during the respondent’s travel period, we’d like to know even if the respondent doesn’t travel at all.

What if the respondent has additional questions?

For more information, please visit www.mass.gov/eot/travelsurvey

For specific questions on filling out the travel diary, call toll-free: **1-888-222-7734**

For related or additional questions, please contact:

NuStats

Jeff Livingston
1-800-447-8287, ext. 2256
travelsurvey@nustats.com

MassDOT

Bob Frey
1-617-973-8900
travelsurvey@eot.state.ma.us

Massachusetts Pronunciation Guide

The following list of Massachusetts cities and towns have somewhat unusual pronunciations. In addition to the text below, audio samples will be used to help interviewers to understand the local dialect. Please note that each interviewer will need to pass a pronunciation test demonstrating a general knowledge of the local dialect before being allowed to dial.

Note: Many, but not all, Massachusetts residents “drop their Rs” – meaning the vowel before the R is all that is heard. It often comes across as an “h” sound at the end of words. In most cases, it is not critical that you pronounce it this way, but the guide below is provided to help you understand the respondent. There are a few towns and cities to which you should pay particular attention, and they are marked with an asterisk (*):

Abington AB-ING-TON

Acton ACK-TON

Agawam AG-UH-WAHM

Allston ALL-STUN

Amesbury AIMS-BER-EE

Amherst- AM-HURST

Andover AN-DOV-ER (sometimes “er” pronounced “uh”)

Arlington AH-LIN-TIN (“r” is silent and “g” is silent)

Ashburnham ASH-BURN-UM (second “h” is silent)

Ashland ASH-LAND

Athol A-THOL

Attleboro- ATTLE-BORO

Auburn- AW-BURN or OBBIN (sometimes “ur” pronounced “uh”)

Ayer AIR (single syllable)

Barnstable BAHN-STUBBLE (“ar” pronounced “ah”)

Barre BEAR-REE

Bedford BED-FUD (“or” pronounced “uh”)

Bernardston BURN-ARD-STON (sometimes “ar” pronounced “ah”)

Beverly- BEV-ER-LY (sometimes “er” pronounced “ah”)

***Billerica** BILL-RICK-A (“e” is silent)

Bourne- BORN

Brewster- BROO-STUH (“er” pronounced “ah”)

Brighton- BRIGHT-UN (“o” is silent)

Cambridge- CAME-BRIJ

Canton- CANT'N (“o” is silent)

Carver- CAH-VAH (sometimes “er” pronounced “ah”)

Charlemont SHAR-LA-MONT

Chatham- CHATUM

Chelmsford- CHEMS-FID (“l” is silent and “or” pronounced “id”)

Chicopee CHIC-UH-PEE (“oh” is pronounced “uh”)

Clinton- CLIN-TN (“o” is silent)
Cohasset- KOH-HASS-ET
Concord- CONK-ID (“or” pronounced “id”)
Danvers- DAN-VUS (“er” pronounced “uh”)
Dartmouth DART-MUTH (“o” is silent)
Dedham- DEAD-UM (“h” is silent)
Dighton DI-TON
Dorchester- DAH-CHES-TER (sometimes “Dor” is pronounced “Dah”)
Dunstable DUNS-TA-BLE
Duxbury DUCKS-BURY
East Weymouth- EAST WAY-MUTH (“Mouth” is pronounced “Muth”)
Everett EV-RETT
Fairhaven- FAIR-HAY-VEN
Falmouth FAL-MUTH (“mouth” is pronounced “muth”)
Florence- FLAWR-ENCE
***Gloucester** GLOSS-TER (The “ces” part is silent)
Goshen- GO-SHN (The “I” is silent)
Groton- GRAWT-N (The “O” is silent)
Groveland GROVE-LAND
Hampden HAM-DEN (The “P” is silent)

Harvard- HAH-VUD (The “R” is silent,)
Harwich- HAR-RICH
***Haverhill** HAV-RILL (long A as in “save” the “er” is silent)
Hingham- HING-UM (“Am” is pronounced “Um”)
Holyoke HOLY-OKE
Ipswich- IPS-WHICH

Lancaster- LAN-KESS-TAH
Leicester LESS-TER (“I” is silent)
***Leominster** LEM-INSTER (“O” is silent)
Leyden LAY-DEN
Marblehead- MAHBL-HEAD
Marlborough- MARL-BORROW or MALL-BROW (First “R” is silent, borough pronounced “Brow”)
Mattapoisett MATTA-POIS-ETT
***Methuen** METH-OO-EN

Monson- MAHN-SUN (“Son” is pronounced “Sun”)
Montague MONT-A-GUE
Mount Washington- MOUNT WASHEN’TIN (“G” is silent, “Ton” is pronounced “Tin”)
Nahant NAH-HAUNT
Natick NAY-TICK

Northfield- NORTH FIELD

Norton- NORT-IN (“Ton” is pronounced “Tin)

***Peabody** PEA-BUD-E (“Bod” is pronounced “Bud”)

Pelham- PEL-UM (“H” is silent, “Am” is pronounced “Um”)

Pepperell- PEP-RIL (“Rell” is pronounced “Ril”)

Petersham PETER-SHAM

*** Quincy** QUIN-ZEE

Raynham RAIN-AM (“H” is silent)

Reading RED-ING (“Read” is pronounced “Red”)

*** Rehoboth** Ruh-HOE-buth

Rochester- RAWCH-IS-TUH (“Roch” is pronounced “Rawch”, “Ter” Pronounced “Tuh”)

Rockland- ROCK-LIND (“Lan” is pronounced “Lin”)

Rowley RAUL-LE (“Y” is silent)

***Salisbury** SAWLS-BURY

Saugus SAW-GUS

***Scituate** SIT-CHOO-IT (“A” is silent)

Seekonk SEE-KONK

Sherborn SHER-BORN (sometimes “Sher” is pronounced “Share”)

Shrewsbury SHROOS-BURY

Spencer- SPEN-SUH (“R” is silent, “Cer” pronounced “Suh”)

Stoneham- STONE’M (“H” and “A” are silent)

Stoughton STOW-TON

Sunderland- SUN-DUH-LIND (“R” is silent, “Land” pronounced “Lin”)

Swansea SWAN-ZEE (“Sea” pronounced “Zee”)

Taunton TAUN-TON

***Tewksbury** TUKS-BURY (“Tewks” pronounced “Tuks”)

***Tyngsborough** TINGS-BORO (rhymes with kings)

Wareham Ware-UM (“H” is silent, “Ham” is pronounced “Um”)

Wellesley WELLS-LEE

Westport- WES-PORT

***Weymouth** WEY-MUTH (“Mouth” is pronounced “Muth”)

Winchendon WINCH-EN-DON

Winchester- WIN-CHESS-TER

Winthrop- WIN-THRUP (“Throp” is pronounced “Thrup”)

***Woburn-** WOO-BURN (sometimes “R” is silent, “Burn” is pronounced “Bin”)

***Worcester** WUHS-TER (or WUHS-TAH)

Yarmouth YAR-MUTH (“Mouth” is pronounced “Muth”)

Key Study Area Info:

Surrounding Geography: Massachusetts is bordered on the north by New Hampshire and Vermont; on the west by New York; on the south by Connecticut and Rhode Island; and on the east by the Atlantic Ocean.

Major Roads: Interstate highways include: I-91, I-291, I-84, I-93, I-95, I-495, I-195, I-395, I-90 (The Massachusetts Turnpike), I-290, and I-190. Other major thoroughfares are U.S. 1, Route 2, Route 3, U.S. Route 20, Route 24, and Route 128. I-95 around Boston is typically referred to as Route 128.

Air Ports: The major airport in the state is Logan International Airport. Bradley International Airport in Windsor Locks, Connecticut, T.F. Green Airport in Warwick, Rhode Island, and Manchester-Boston Regional Airport in Manchester, New Hampshire also serve as airports to the state as all three are located near the border.

Transit: The Massachusetts Bay Transportation Authority (MBTA) operates public transportation in the form of subway, bus and ferry systems in the Metro Boston area. It also operates longer distance commuter rail services throughout the larger Greater Boston area, including service to Worcester and Providence, Rhode Island.

Bridges: Key bridges in the study area include: Annisquam Bridge, Atherton Bridge, Bardwell's Ferry Bridge, Bartlett's Bridge, Bissell Bridge, Blackstone Viaduct, Burkeville Covered Bridge, Canton Viaduct, Carpenter Bridge, Double-arch Sandstone Bridge, Echo Bridge, Eliot Memorial Bridge, Golden Hill Bridge, Granite Keystone Bridge, Harris Street Bridge, Hoosac Tunnel, Linden Street Bridge, Medford Pipe Bridge, Middlefield-Becket Stone Arch, Railroad Bridge, District Needham Street Bridge, Newton Street Bridge, Old Covered Bridge, Old Town Bridge, Paul's Bridge, Ponakin Bridge, Quinepoet River Bridge, Arthur A. Smith Covered Bridge, Walden Street Cattle Pass, Ware-Hardwick Covered Bridge.

Counties: The fourteen counties, moving roughly from west to east, are Berkshire, Franklin, Hampshire, Hampden, Worcester, Middlesex, Essex, Suffolk, Norfolk, Bristol, Plymouth, Barnstable, Dukes, and Nantucket.

Metropolitan Planning Organization (MPO) Regions:

Berkshire MPO – all of Berkshire County;

Cape Cod MPO – all of Barnstable County;

Franklin County Council of Governments MPO – all of Franklin County;

Martha's Vineyard MPO – all of Dukes County;

Nantucket MPO – all of Nantucket County;

Pioneer Valley MPO – all of Hampden and Hampshire Counties;

Central Massachusetts MPO – all of southern Worcester County and small parts of Middlesex County;

Montachusett MPO – all of northern Worcester County;

Merrimack Valley MPO – all of northern Essex County;

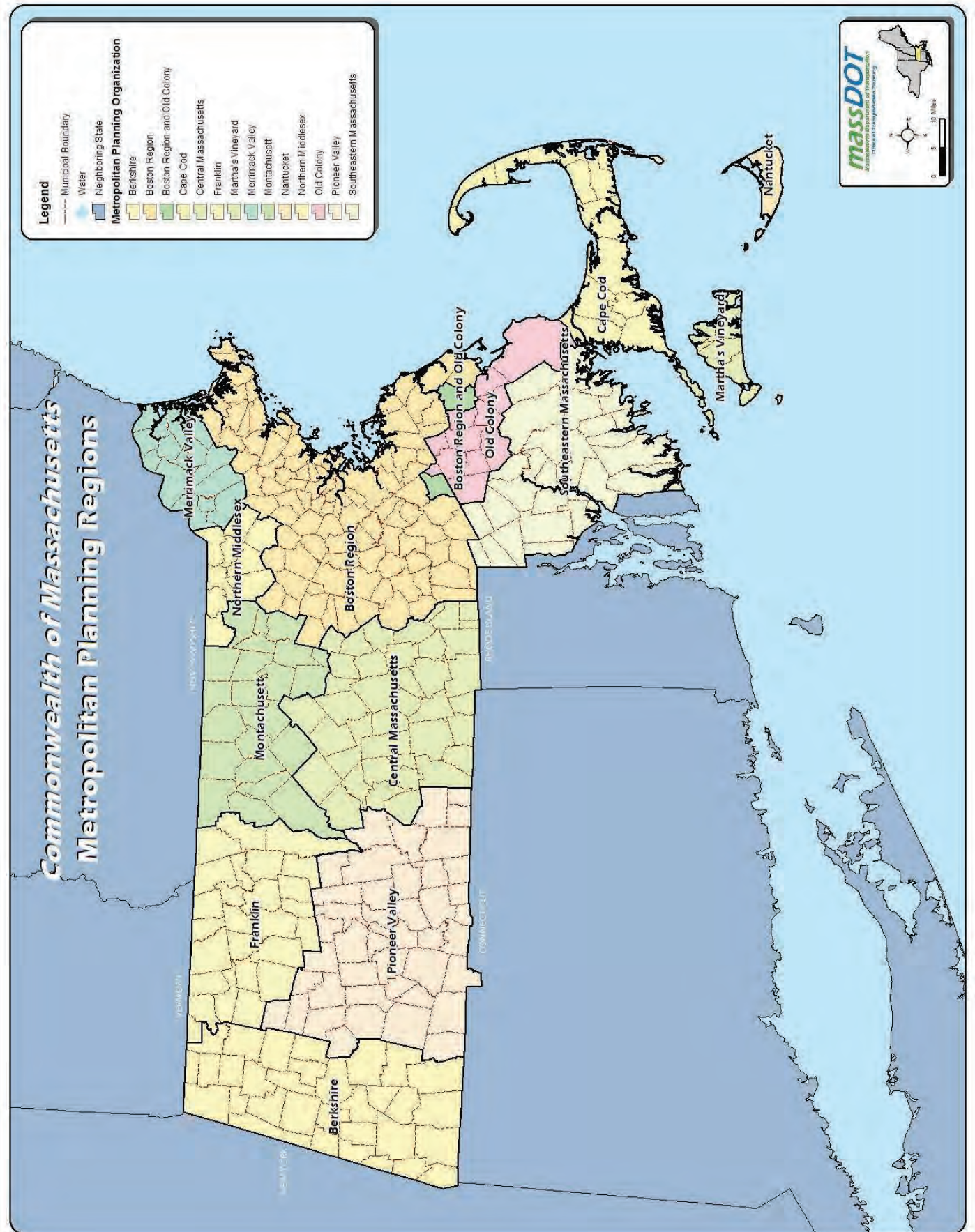
Metro Boston MPO – all of Suffolk County, all of southern Essex County, most of Middlesex and Norfolk Counties, some of Plymouth County, and a small part of Worcester County;

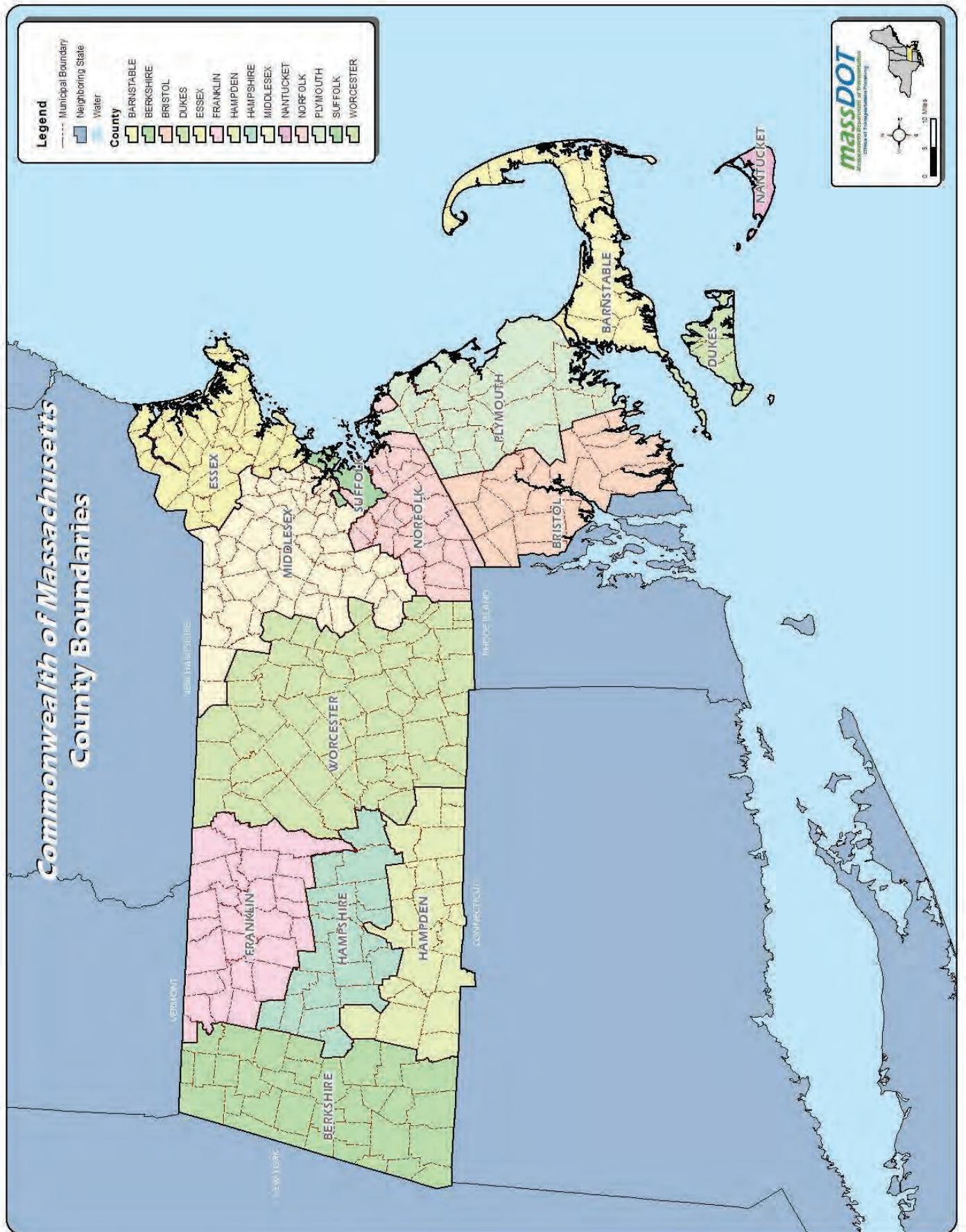
Old Colony MPO – part of southeastern Plymouth and parts of Norfolk and Plymouth Counties;

Southeastern Massachusetts MPO – all of Bristol County, much of southeastern Plymouth County, and a small part of Norfolk County;

Northern Middlesex Council of Governments MPO – small part of northwestern Middlesex County.

Note: the Towns of Pembroke and Stoughton have dual memberships in the Metro Boston and Old Colony MPOs.





Appendix D: Final Data Dictionary

Note:

[ADMIN] = administrative variables

[COMP] = computed variables

[RECR] = data was obtained in Recruitment

[RETR] = data was obtained in Retrieval

[TT] = data was obtained in Trip Tracer (during retrieval)

Household File

Variable	Label	Values
SAMPN	Sample number [ADMIN]	
CATEGORY	Complete status [ADMIN]	
	1	Full Complete
	2	Valid Partial - half of adults
	3	Valid Partial - Unrelated HH
GPS	GPS type [ADMIN]	
	1	GPS Data Available for Household
	2	Household not in GPS Sample (GTYPE=2)
	3	Household in GPS Sample - Refused GPS Portion in Recruitment
NTYPE	NRFU flag [ADMIN]	
	1	NRFU Sample
	2	Non-NRFU Sample
LETR	Household sent an advance letter [ADMIN]	
	1	Yes
	2	No
RETMODE	Retrieval Mode [ADMIN]	
	1	CATI
	2	Mailback
AREA	Area [ADMIN]	
	1	Ring 0-D
	2	Ring 0-O
	3	Ring 2N-D
	4	Ring 2N-O
	5	Ring 2S-D
	6	Ring 2S-O
	7	North-D
	8	North-O
	9	West-D
	10	West-O
	11	South-D
	12	South-O
	13	MV-D
	14	MV-O
	15	NM-D
	16	NM-O
	17	MR-D
	18	MR-O
	19	MR-O164
	20	FC-D
	21	FC-O
	22	BC-D
	23	BC-O
	24	PV-D
	25	PV-O
	26	CM-D
	27	CM-O
	28	CM-O164
	29	SR-D164
	30	SR-O164
	31	SR-D
	32	SR-O
	33	CCC-D
	34	CCC-O
	35	MVC-O
	36	NPED-O
	37	OC-D
	38	OC-O
MPO	MPO [ADMIN]	

CTFIP

Household county [ADMIN]

25001 Barnstable County
 25003 Berkshire County
 25005 Bristol County
 25007 Dukes County
 25009 Essex County
 25011 Franklin County
 25013 Hampden County

25015 Hampshire County
 25017 Middlesex County
 25019 Nantucket County
 25021 Norfolk County
 25023 Plymouth County
 25025 Suffolk County
 25027 Worcester County

ASSN

Travel day [ADMIN]

666	Monday, June 14	2010	739	Thursday, August 26	2010
667	Tuesday, June 15	2010	740	Friday, August 27	2010
668	Wednesday, June 16	2010	743	Monday, August 30	2010
669	Thursday, June 17	2010	744	Tuesday, August 31	2010
670	Friday, June 18	2010	745	Wednesday, September 1	2010
673	Monday, June 21	2010	746	Thursday, September 2	2010
674	Tuesday, June 22	2010	747	Friday, September 3	2010
675	Wednesday, June 23	2010	750	Monday, September 6	2010
676	Thursday, June 24	2010	751	Tuesday, September 7	2010
677	Friday, June 25	2010	752	Wednesday, September 8	2010
680	Monday, June 28	2010	753	Thursday, September 9	2010
681	Tuesday, June 29	2010	754	Friday, September 10	2010
682	Wednesday, June 30	2010	757	Monday, September 13	2010
683	Thursday, July 1	2010	758	Tuesday, September 14	2010
684	Friday, July 2	2010	759	Wednesday, September 15	2010
687	Monday, July 5	2010	760	Thursday, September 16	2010
688	Tuesday, July 6	2010	761	Friday, September 17	2010
689	Wednesday, July 7	2010	764	Monday, September 20	2010
690	Thursday, July 8	2010	765	Tuesday, September 21	2010
691	Friday, July 9	2010	766	Wednesday, September 22	2010
694	Monday, July 12	2010	767	Thursday, September 23	2010
695	Tuesday, July 13	2010	768	Friday, September 24	2010
696	Wednesday, July 14	2010	771	Monday, September 27	2010
697	Thursday, July 15	2010	772	Tuesday, September 28	2010
698	Friday, July 16	2010	773	Wednesday, September 29	2010
701	Monday, July 19	2010	774	Thursday, September 30	2010
702	Tuesday, July 20	2010	775	Friday, October 1	2010
703	Wednesday, July 21	2010	778	Monday, October 4	2010
704	Thursday, July 22	2010	779	Tuesday, October 5	2010
705	Friday, July 23	2010	780	Wednesday, October 6	2010
708	Monday, July 26	2010	781	Thursday, October 7	2010
709	Tuesday, July 27	2010	782	Friday, October 8	2010
710	Wednesday, July 28	2010	785	Monday, October 11	2010
711	Thursday, July 29	2010	786	Tuesday, October 12	2010
712	Friday, July 30	2010	787	Wednesday, October 13	2010
715	Monday, August 2	2010	788	Thursday, October 14	2010
716	Tuesday, August 3	2010	789	Friday, October 15	2010
717	Wednesday, August 4	2010	792	Monday, October 18	2010
718	Thursday, August 5	2010	793	Tuesday, October 19	2010
719	Friday, August 6	2010	794	Wednesday, October 20	2010
722	Monday, August 9	2010	795	Thursday, October 21	2010
723	Tuesday, August 10	2010	796	Friday, October 22	2010
724	Wednesday, August 11	2010	799	Monday, October 25	2010
725	Thursday, August 12	2010	800	Tuesday, October 26	2010
726	Friday, August 13	2010	801	Wednesday, October 27	2010
729	Monday, August 16	2010	802	Thursday, October 28	2010
730	Tuesday, August 17	2010	803	Friday, October 29	2010
731	Wednesday, August 18	2010	806	Monday, November 1	2010
732	Thursday, August 19	2010	807	Tuesday, November 2	2010
733	Friday, August 20	2010	808	Wednesday, November 3	2010
736	Monday, August 23	2010	809	Thursday, November 4	2010
737	Tuesday, August 24	2010	810	Friday, November 5	2010
738	Wednesday, August 25	2010	813	Monday, November 8	2010

814	Tuesday, November 9	2010	11139	Tuesday, February 8	2011
815	Wednesday, November 10	2010	11140	Wednesday, February 9	2011
816	Thursday, November 11	2010	11141	Thursday, February 10	2011
817	Friday, November 12	2010	11142	Friday, February 11	2011
820	Monday, November 15	2010	11145	Monday, February 14	2011
821	Tuesday, November 16	2010	11146	Tuesday, February 15	2011
822	Wednesday, November 17	2010	11147	Wednesday, February 16	2011
823	Thursday, November 18	2010	11148	Thursday, February 17	2011
824	Friday, November 19	2010	11149	Friday, February 18	2011
827	Monday, November 22	2010	11152	Monday, February 21	2011
828	Tuesday, November 23	2010	11153	Tuesday, February 22	2011
829	Wednesday, November 24	2010	11154	Wednesday, February 23	2011
830	Thursday, November 25	2010	11155	Thursday, February 24	2011
831	Friday, November 26	2010	11156	Friday, February 25	2011
834	Monday, November 29	2010	11159	Monday, February 28	2011
835	Tuesday, November 30	2010	11161	Tuesday, March 1	2011
836	Wednesday, December 1	2010	11162	Wednesday, March 2	2011
837	Thursday, December 2	2010	11163	Thursday, March 3	2011
838	Friday, December 3	2010	11164	Friday, March 4	2011
841	Monday, December 6	2010	11167	Monday, March 7	2011
842	Tuesday, December 7	2010	11168	Tuesday, March 8	2011
843	Wednesday, December 8	2010	11169	Wednesday, March 9	2011
844	Thursday, December 9	2010	11170	Thursday, March 10	2011
845	Friday, December 10	2010	11171	Friday, March 11	2011
848	Monday, December 13	2010	11174	Monday, March 14	2011
849	Tuesday, December 14	2010	11175	Tuesday, March 15	2011
850	Wednesday, December 15	2010	11176	Wednesday, March 16	2011
851	Thursday, December 16	2010	11177	Thursday, March 17	2011
852	Friday, December 17	2010	11178	Friday, March 18	2011
855	Monday, December 20	2010	11181	Monday, March 21	2011
856	Tuesday, December 21	2010	11182	Tuesday, March 22	2011
857	Wednesday, December 22	2010	11183	Wednesday, March 23	2011
858	Thursday, December 23	2010	11184	Thursday, March 24	2011
859	Friday, December 24	2010	11185	Friday, March 25	2011
862	Monday, December 27	2010	11188	Monday, March 28	2011
863	Tuesday, December 28	2010	11189	Tuesday, March 29	2011
864	Wednesday, December 29	2010	11190	Wednesday, March 30	2011
865	Thursday, December 30	2010	11191	Thursday, March 31	2011
866	Friday, December 31	2010	11192	Friday, April 1	2011
11103	Monday, January 3	2011	11195	Monday, April 4	2011
11104	Tuesday, January 4	2011	11196	Tuesday, April 5	2011
11105	Wednesday, January 5	2011	11197	Wednesday, April 6	2011
11106	Thursday, January 6	2011	11198	Thursday, April 7	2011
11107	Friday, January 7	2011	11199	Friday, April 8	2011
11110	Monday, January 10	2011	11202	Monday, April 11	2011
11111	Tuesday, January 11	2011	11203	Tuesday, April 12	2011
11112	Wednesday, January 12	2011	11204	Wednesday, April 13	2011
11113	Thursday, January 13	2011	11205	Thursday, April 14	2011
11114	Friday, January 14	2011	11206	Friday, April 15	2011
11117	Monday, January 17	2011	11209	Monday, April 18	2011
11118	Tuesday, January 18	2011	11210	Tuesday, April 19	2011
11119	Wednesday, January 19	2011	11211	Wednesday, April 20	2011
11120	Thursday, January 20	2011	11212	Thursday, April 21	2011
11121	Friday, January 21	2011	11213	Friday, April 22	2011
11124	Monday, January 24	2011	11216	Monday, April 25	2011
11125	Tuesday, January 25	2011	11217	Tuesday, April 26	2011
11126	Wednesday, January 26	2011	11218	Wednesday, April 27	2011
11127	Thursday, January 27	2011	11219	Thursday, April 28	2011
11128	Friday, January 28	2011	11220	Friday, April 29	2011
11131	Monday, January 31	2011	11223	Monday, May 2	2011
11132	Tuesday, February 1	2011	11224	Tuesday, May 3	2011
11133	Wednesday, February 2	2011	11225	Wednesday, May 4	2011
11134	Thursday, February 3	2011	11226	Thursday, May 5	2011
11135	Friday, February 4	2011	11227	Friday, May 6	2011
11138	Monday, February 7	2011	11230	Monday, May 9	2011

11231	Tuesday, May 10	2011	11316	Wednesday, August 3	2011
11232	Wednesday, May 11	2011	11317	Thursday, August 4	2011
11233	Thursday, May 12	2011	11318	Friday, August 5	2011
11234	Friday, May 13	2011	11321	Monday, August 8	2011
11237	Monday, May 16	2011	11322	Tuesday, August 9	2011
11238	Tuesday, May 17	2011	11323	Wednesday, August 10	2011
11239	Wednesday, May 18	2011	11324	Thursday, August 11	2011
11240	Thursday, May 19	2011	11325	Friday, August 12	2011
11241	Friday, May 20	2011	11328	Monday, August 15	2011
11244	Monday, May 23	2011	11329	Tuesday, August 16	2011
11245	Tuesday, May 24	2011	11330	Wednesday, August 17	2011
11246	Wednesday, May 25	2011	11331	Thursday, August 18	2011
11247	Thursday, May 26	2011	11332	Friday, August 19	2011
11248	Friday, May 27	2011	11335	Monday, August 22	2011
11251	Monday, May 30	2011	11336	Tuesday, August 23	2011
11252	Tuesday, May 31	2011	11337	Wednesday, August 24	2011
11253	Wednesday, June 1	2011	11338	Thursday, August 25	2011
11254	Thursday, June 2	2011	11339	Friday, August 26	2011
11255	Friday, June 3	2011	11342	Monday, August 29	2011
11258	Monday, June 6	2011	11343	Tuesday, August 30	2011
11259	Tuesday, June 7	2011	11344	Wednesday, August 31	2011
11260	Wednesday, June 8	2011	11345	Thursday, September 1	2011
11261	Thursday, June 9	2011	11346	Friday, September 2	2011
11262	Friday, June 10	2011	11349	Monday, September 5	2011
11265	Monday, June 13	2011	11350	Tuesday, September 6	2011
11266	Tuesday, June 14	2011	11351	Wednesday, September 7	2011
11267	Wednesday, June 15	2011	11352	Thursday, September 8	2011
11268	Thursday, June 16	2011	11353	Friday, September 9	2011
11269	Friday, June 17	2011	11356	Monday, September 12	2011
11272	Monday, June 20	2011	11357	Tuesday, September 13	2011
11273	Tuesday, June 21	2011	11358	Wednesday, September 14	2011
11274	Wednesday, June 22	2011	11359	Thursday, September 15	2011
11275	Thursday, June 23	2011	11360	Friday, September 16	2011
11276	Friday, June 24	2011	11363	Monday, September 19	2011
11279	Monday, June 27	2011	11364	Tuesday, September 20	2011
11280	Tuesday, June 28	2011	11365	Wednesday, September 21	2011
11281	Wednesday, June 29	2011	11366	Thursday, September 22	2011
11282	Thursday, June 30	2011	11367	Friday, September 23	2011
11283	Friday, July 1	2011	11370	Monday, September 26	2011
11286	Monday, July 4	2011	11371	Tuesday, September 27	2011
11287	Tuesday, July 5	2011	11372	Wednesday, September 28	2011
11288	Wednesday, July 6	2011	11373	Thursday, September 29	2011
11289	Thursday, July 7	2011	11374	Friday, September 30	2011
11290	Friday, July 8	2011	11377	Monday, October 3	2011
11293	Monday, July 11	2011	11378	Tuesday, October 4	2011
11294	Tuesday, July 12	2011	11379	Wednesday, October 5	2011
11295	Wednesday, July 13	2011	11380	Thursday, October 6	2011
11296	Thursday, July 14	2011	11381	Friday, October 7	2011
11297	Friday, July 15	2011	11384	Monday, October 10	2011
11300	Monday, July 18	2011	11385	Tuesday, October 11	2011
11301	Tuesday, July 19	2011	11386	Wednesday, October 12	2011
11302	Wednesday, July 20	2011	11387	Thursday, October 13	2011
11303	Thursday, July 21	2011	11388	Friday, October 14	2011
11304	Friday, July 22	2011	11391	Monday, October 17	2011
11307	Monday, July 25	2011	11392	Tuesday, October 18	2011
11308	Tuesday, July 26	2011	11393	Wednesday, October 19	2011
11309	Wednesday, July 27	2011	11394	Thursday, October 20	2011
11310	Thursday, July 28	2011	11395	Friday, October 21	2011
11311	Friday, July 29	2011	11398	Monday, October 24	2011
11314	Monday, August 1	2011			
11315	Tuesday, August 2	2011			

DAY Day of the week of travel [ADMIN]
1 Monday

		2	Tuesday
		3	Wednesday
		4	Thursday
		5	Friday
RIBUS	Use transit on a regular basis during the week [RECR]		
		1	Yes
		2	No
		8	Don't Know
		9	Refused
HHSIZ	Household size [COMP- Count of persons in PER file]		
	RANGE: 1~7		
		8	8 or More
		98	DK
		99	RF
HHBIC	Number of household bicycles in working condition [RECR]		
		98	DK
		99	RF
HHVEH	Household vehicles [COMP - Count of vehicles in VEH file]		
	RANGE: 0~7		
		8	8 or More
		98	DK
		99	RF
HISP	Hispanic or Latino [RECR]		
		1	Yes
		2	No
		9	RF
RACE	Ethnicity or race [RECR]		
		1	White Alone
		2	Black or African American Alone
		3	American Indian or Alaskan Native Alone
		4	Asian Alone
		5	Native Hawaiian, Pacific Islander Alone
		6	Some Other Race Alone
		7	Two or More Races
		9	Refused
RESTY	Description of home [RECR]		
		1	Single Family Detached Dwelling
		2	Building with 2-4 Units
		3	Building with 5-19 Units
		4	Building with 20 or More Units
		7	Something Else
		8	DK
		9	RF
O_RESTY	[RESTY=7] Description of home, Other [RECR]		
OWN	Home ownership [RECR]		
		1	Own/Mortgaged
		2	Renter
		7	Other, Specify
		8	DK
		9	RF
O_OWN	[OWN=7] Home ownership, Other [RECR]		
CPLNS	Number of cell phones [RECR]		
		98	DK
		99	RF

PHLNS	Number of landline telephone numbers [RECR]
	98 DK
	99 RF
FXLNS	[IF PHLNS>1] Number of hard wired numbers dedicated to fax [RECR]
	98 DK
	99 RF
INCOME	Household income in 2009 [RECR]
	1 Less than \$15,000
	2 \$15,000-\$24,999
	3 \$25,000-\$34,999
	4 \$35,000-\$49,999
	5 \$50,000-\$74,999
	6 \$75,000-\$99,999
	7 \$100,000-\$149,999
	8 \$150,000 or more
	99 Don't Know/Refused
FUTUR	Willing to participate in future studies [RETR]
	1 Yes
	2 No
	3 Maybe/Depends
	4 NOT ASKED –Mailback
	8 Don't Know
HTRIPS	Number of household trips [COMP]
HHWRK	Number of household workers [COMP]
HHSTU	Number of household students [COMP]
HHLIC	Number of licensed drivers in household [COMP]
HADDR	Household address [ADMIN]
HCITY	Household city [ADMIN]
HSTATE	Household state [ADMIN]
HZIP	Household zip code [ADMIN]
HXCORD	Household X-coordinates [ADMIN]
HYCORD	Household Y-coordinates [ADMIN]
HOLIDAY	Household Traveled on a Federal Holiday
	1 Yes
	2 No
HHWGT	Household Weight
EXPWGT	Household Weight, expanded to the population (ACS 2006-2010)

Person File

Variable	Label	Values
SAMPN	Sample number [ADMIN]	
PERNO	Person number [ADMIN]	
GEND	Gender [RECR]	1 Male 2 Female 9 Refused
AGE	Age [RECR]	98 98 years or older 99 Don't Know/Refused
AGEB	[AGE=99] Age category if refused AGE [RECR]	1 Younger Than 16 2 16 or Older 9 Don't Know/Refused
RELAT	Relationship to Head of Household [RECR]	1 Respondent 2 Spouse / Partner 3 Child 4 Parent 5 Other Relative 6 Not Relative 9 Refused
LIC	[AGE>15 or AGEB>1] Valid driver's license [RECR]	1 Yes 2 No 8 Don't Know 9 Refused
TRANS	[AGE>15 or AGEB>1] Have transit pass? [RECR]	1 Yes 2 No 8 Don't Know 9 Refused
PASST1	[TRANS=1] Type of transit pass [RECR]	
PASST2	[TRANS=1] Type of transit pass [RECR]	
PASST3	[TRANS=1] Type of transit pass [RECR]	1 Local Bus Pass 2 Link Pass 3 Inner Express Bus Pass 4 Outer Express Bus Pass 5 Commuter Rail Pass 6 Ferry / Board Pass 7 Charlie Card 97 Other, specify 98 Don't Know 99 Refused
O_PASST	[PASST=97] Type of transit pass, Other specify [RECR]	
EMPLY	[AGE>15 or AGEB>1] Employed [RECR]	1 Yes 2 No 8 Don't Know 9 Refused
WORKS	[AGE>15 or AGEB>1] Does this person work? [COMP- IF EMPLY=1]	

	1	Yes
	2	No
WKSTAT	[WORKS=2]	Employment status [RECR]
	1	Retired
	2	Disabled/On Disability Status
	3	Homemaker
	4	Unemployed but looking for work
	5	Unemployed and not looking for work
	6	Student
	97	Other, SPECIFY
	99	Don't Know/Refused
O_WKSTAT	[WKSTAT=97]	Employment status, Other [RECR]
JOBS	[WORKS=1]	How many jobs? [RECR]
HOURS	[WORKS=1]	Hours worked per day [RECR]
		RANGE: 1~24
	98	DK
	99	RF
WNAME	[WORKS=1]	Work name [RECR]
WDAYS	[WORKS=1]	Days per week at work [RECR]
		RANGE: 1~7
	8	Don't Know
	9	Refused
WMODE	[WORKS=1]	Usual mode to work [RECR]
	0	Works from home
	1	Walk
	2	Bike
	3	Auto/Van/Truck Driver
	4	Auto/Van/Truck Passenger
	5	Bus / Public Transit
	6	Dial-A-Ride/Paratransit
	7	Taxi
	8	Motorcycle Driver
	9	Motorcycle Passenger
	97	Other, SPECIFY
	98	Don't Know
	99	Refused
O_WMODE	[WMODE=97]	Usual Mode to Work, Other [RECR]
WTRSB	[WMODE=5]	What transit service do you normally use to get to work? [RECR]
TELEW	[WORKS=1]	Telecommute? [RECR]
	1	Yes
	2	No
	8	Don't Know
	9	Refused
SCHED	[WORKS=1]	Flexible work schedule? [RECR]
	1	Yes
	2	No
	8	Don't Know
	9	Refused
FLEXP1	[SCHED=1]	Flexible programs offered [RECR]
FLEXP2	[SCHED=1]	Flexible programs offered [RECR]
FLEXP3	[SCHED=1]	Flexible programs offered [RECR]
	1	9/80 Work Period
	2	Early Arrival/Departure

- 3 4/40 Work Week
- 4 Flexible hours
- 7 Other, Specify
- 8 Don't Know
- 9 Refused

O_FLEXP [FLEXP=7] Flexible programs offered, Other Specify [RECR]

FLEXT [SCHED=1] Does he/she participate in this program(s)? [RECR]

- 1 Yes
- 2 No
- 8 Don't Know
- 9 Refused

EDISA [AGE>5] Disabled license Plate [RECR]

- 1 Yes
- 2 No
- 8 Don't Know
- 9 Refused

EDIS2 [AGE>5] Disabled transit registration [RECR]

- 1 Yes
- 2 No
- 8 Don't Know
- 9 Refused

EDUCA Level of education completed [RECR]

- 1 Not a high school graduate, 12th grade or less. (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 degrees, MD, DDs, JD)
- 7 Other, SPECIFY
- 8 Don't Know
- 9 Refused

O_EDUCA [EDUCA=7] Level of education completed, Other [RECR]

ENROL Student [RECR]

- 1 Yes
- 2 No
- 8 Don't Know
- 9 Refused

FPTIM [ENROL=1] Full-time or part-time student [RECR]

- 1 Part-time
- 2 Full-time
- 8 Don't Know
- 9 Refused

SCHOL [ENROL=1] School grade level attends [RECR]

- 1 Daycare
- 2 Nursery School, Preschool
- 3 Kindergarten to Grade 8
- 4 Grade 9 to 12
- 5 Technical/Vocational School
- 6 Two-year college (community college)
- 7 4-year College or university
- 8 Graduate School/Professional
- 97 Other, SPECIFY
- 99 Don't Know/Refused

O_SCHOL [SCHOL=97] School grade level attends, Other [RECR]

SNAME [ENROL=1] School name [RECR]

SMODE [ENROL=1] Usual mode to school [RECR]

0	Home schooled
1	Walk
2	Bike
3	Auto/Van/Truck Driver
4	Auto/Van/Truck Passenger
5	Bus / Public Transit
6	Dial-A-Ride/Paratransit
7	Taxi
8	School Bus
9	Motorcycle Driver
10	Motorcycle Passenger
97	Other, SPECIFY
98	Don't Know
99	Refused

O_SMODE [SMODE=97] Usual mode to school, Other [RECR]

STRSB [SMODE=5] What transit service do you normally use to get to school? [RECR]

TTRIP Transit Trips in past week [RECR]

RANGE: 0~97

98	Don't Know
99	Refused

BIKFA [WORKS=1 or ENROL=1] Bike facilities available at work/school? [RECR]

1	Yes
2	No
8	Don't Know
9	Refused

BIKD1 [HHBIC>0] Days used bike for recreation last week [RECR]

RANGE: 0~7

8	Don't Know
9	Refused

BIKD2 [HHBIC>0] Days used bike for transportation last week [RECR]

RANGE: 0~7

8	Don't Know
9	Refused

BIKRD [HHBIC>0] Bike trails and lanes used [RECR]

1	Off-Road
2	On-Road
3	Both
8	Don't Know
9	Refused

INUSE Internet use during travel day for shopping in place of making a trip [RETR]

1	Yes
2	No
8	Don't Know
9	Refused

PTRIPS Person Trips [COMP]

CMPLG Completed travel log [RETR]

1	Yes, Completed
2	No, Not Completed
3	Did not receive materials
8	Don't Know
9	Refused

INTRV	Interviewed in person [RETR]
	1 Yes
	2 No
PROXY	[INTRV=2] Household member that served as proxy [RETR]
TYPDY	[INTRV=1] In general, would you say that ASSN was a typical for you? [RETR]
	1 Yes
	2 No
	3 Not asked -- Mail-in
	8 Don't Know/Refused
O_TYPDY	[TYPDY=2] Why not? [RETR]
TYPPL	[INTRV=1] Were most of your travel and activities for this period planned in advance or did you change your plans as the day progressed? [RETR]
	1 Yes
	2 No
	3 Not asked -- Mail-in
	8 Don't Know/Refused
O_TYPPL	[TYPPL=2] What happened that caused the change in plans? [RETR]
NOGO	[PTRIPS=0] Reason for no trips [RETR]
	1 Personally Sick
	2 Caretaking Sick Kids
	3 Caretaking Sick Other
	4 Homebound Elderly or Disabled
	5 Worked at Home for Pay
	6 Worked Around Home (Not for Pay)
	7 Out of Area
	97 Other, SPECIFY
O_NOGO	[NOGO=97] Reason for no trips, Other [RETR]
WADDR	[WORKS=1] Work address [TT]
WCITY	[WORKS=1] Work city [TT]
WSTATE	[WORKS=1] Work state [TT]
WZIP	[WORKS=1] Work zip [TT]
WXCORD	[WORKS=1] Work X-coordinates [TT]
WYCORD	[WORKS=1] Work Y-coordinates [TT]
SADDR	[ENROL=1] School address [TT]
SCITY	[ENROL=1] School city [TT]
SSTATE	[ENROL=1] School state [TT]
SZIP	[ENROL=1] School zip [TT]
SXCORD	[ENROL=1] School X-coordinates [TT]
SYCORD	[ENROL=1] School Y-coordinates [TT]
PWGT	Person Weight
EXPPWGT	Person Weight, expanded to the population (ACS 2006-2010)

Vehicle File

Variable	Label	Values
SAMPN	Sample number [ADMIN]	
VEHNO	Vehicle number [ADMIN]	
YEAR	Year of vehicle [RECR]	
		RANGE: 1900~2011
		9998 Don't Know
		9999 Refused
MAKE	Make of vehicle [RECR]	
	11 Acura	34 Lincoln
	12 Audi	35 Mazda
	13 BMW	36 Mercedes
	14 Buick	37 Mercury
	15 Cadillac	38 Mitsubishi
	16 Chevrolet	39 Nissan
	17 Chrysler	40 Oldsmobile
	18 Daewoo	41 Plymouth
	19 Dodge	42 Pontiac
	20 Ford	43 Porsche
	21 Geo	44 Range Rover
	22 GMC	45 Saab
	23 Harley Davidson	46 Saturn
	24 Honda	47 Scion
	25 Hummer	48 Subaru
	26 Hyundai	49 Suzuki
	27 Infiniti	50 Toyota
	28 Isuzu	51 Volkswagen
	29 Jaguar	52 Volvo
	30 Jeep	53 Yamaha
	31 Kawasaki	97 Other, SPECIFY
	32 Kia	98 Don't Know
	33 Lexus	99 Refused
O_MAKE	[MAKE=97] Vehicle make, other [RECR]	
MODEL	Vehicle model [RECR]	
BODY	Vehicle body type [RECR]	
	1 Car/Station Wagon	
	2 Van (any type)	
	3 SUV	
	4 Pickup Truck	
	5 Other type of truck	
	6 RV	
	7 Motorcycle	
	97 Other, SPECIFY	
	99 Refused	
O_BODY	[BODY=97] Body type, Other [RECR]	
FUEL	Fuel type [RECR]	
	1 Gas	
	2 Diesel	
	3 Hybrid	
	4 Flex Fuel	
	7 Other, SPECIFY	
	8 Don't Know	
	9 Refused	
O_FUEL	[FUEL=7] Fuel type, Other [RECR]	

USER	Main user of vehicle [RECR]
	RANGE: 1~9
	98 Don't Know
	99 Refused
CNTV	Vehicle used on travel day? [RETR]
	1 Used
	2 Not used, specify reason
O_CNTV	[CNTV=2] Reason vehicle was not used on travel day, Specify [RETR]
HHWGT	Household Weight
EXPWGT	Household Weight, expanded to the population (ACS 2006-2010)

Place File

Variable	Label	Values
SAMPN	Sample number [ADMIN]	
PERNO	Person number [ADMIN]	
PLANO	Place number [ADMIN]	
TPURP	Primary trip purpose [RETR]	
TPUR2	Other activities [RETR]	1 Working at home (for pay) 2 All other home activities 3 Work/Job 4 All other activities at work 5 Volunteer Work/Activities 6 Attending Class 7 All other School Activities 8 Changed type of transportation 9 Drop off passenger from car 10 Pick up passenger from car 11 While Traveling -- Other, Specify 12 Work Business Related 13 Service private vehicle (gas, oil lube, etc.) 14 Routine shopping (groceries, clothing, convenience store, HH maintenance) 15 Shopping for major purchases or specialty items (appliance, electronics, new vehicle, major HH repairs) 16 Household errands (bank, dry cleaning, etc.) 17 Personal business (visit government office, attorney, accountant) 18 Eat meal outside of home 19 Health care (doctor, dentist) 20 Civic/Religious activities 21 Outdoor recreation/entertainment 22 Indoor recreation/entertainment 23 Visit friends/relatives 96 Loop trip 97 Other, SPECIFY
O_TPURP	[TPURP=97] Primary trip purpose, Other [RETR]	
O_TPUR2	[TPUR2=97] Other activities, Other [RETR]	
MODE	[PLANO>1] Mode of trip [RETR]	1 Walk 2 Bike 3 Auto/Van/Truck Driver 4 Auto/Van/Truck Passenger 5 Public Transit Bus 6 Train/Public Transit Rail 7 Ferry/boat 8 Dial-A-Ride/Paratransit 9 Taxi 10 School bus 11 Motorcycle Driver 12 Motorcycle Passenger 97 Other, SPECIFY
O_MODE	[MODE=97] Mode of trip, Other [RETR]	
TOTTR	[PLANO>1 and MODE<>9 and <>10] Total people traveling (including respondent) [RETR] RANGE: 1~9	10 10 or More 99 Refused
HHMEM	[PLANO>1 and MODE<>9 and <>10 and TOTTR>1] Number of household members on trip [RETR]	

PER1 [HHMEM>0] Household member on trip [RETR]
 PER2 [HHMEM>1] Household member on trip [RETR]
 PER3 [HHMEM>2] Household member on trip [RETR]
 PER4 [HHMEM>3] Household member on trip [RETR]
 PER5 [HHMEM>4] Household member on trip [RETR]

NONHH [PLANO>1 and MODE<>9 and <>10 and TOTTR>1] Non-household members on trip [COMP – TOTTR minus HHMEM]

VEHNO [MODE=3 or 4 or 11 or 12] Vehicle number [RETR]
 RANGE: 1–8
 97 Non-Household Vehicle

PRKTY [MODE=3 or 4 or 11 or 12] Parking location [RETR]
 1 Parking Lot
 2 Parking Garage
 3 Street
 4 Driveway/personal garage
 5 Did not park
 7 Other, SPECIFY
 8 Don't Know
 9 Refused

O_PRKTY [PRKTY=7] Parking Location, Other [RETR]

PLOC [MODE=3 or 4 or 11 or 12] Location of where person parked [RETR]
 1 At Location
 2 Off-Site
 8 Don't Know
 9 Refused

PRKLC [MODE=3 or 4 or 11 or 12 AND PLOC>1] Location of where person parked [RETR]

PRKCS [MODE=3 or 4 or 11 or 12] Paid to park? [RETR]
 1 Did not Pay
 2 Did Pay, record amount
 8 Don't Know
 9 Refused

O_PRKCS [PRKCS=2] Paid to park, specify amount [RETR]

PRKUN [PRKCS=2] Unit of cost [RETR]
 1 Hour
 2 Per Day
 3 Per Week
 4 Per Month
 5 Per Year
 8 Don't Know
 9 Refused

PRKHW [PRKCS=2] How parking was paid [RETR]
 1 Cash/Credit/Debit Card
 2 Per-Paid parking Pass
 3 Employer-Provided Parking Pass
 8 Don't Know
 9 Refused

EPARK [PRKCS=2] How much did person pay out pocket? [RETR]
 RANGE: 1–5000
 9999 Don't Know/Refused

TOLL [MODE=3 or 4 or 11 or 12] Use a toll road? [RETR]
 1 Yes
 2 No
 8 Don't Know

9 Refused

TOLLT [TOLL=1] Which toll road was used? [RETR]
1 Turnpike
2 Ted Williams Tunnel
3 Sumner Tunnel
4 Tobin Tunnel

TOLLE [TOLL=1] Where did you enter the toll road? [RETR]

TOLLX [TOLL=1] Where did you exit the toll road? [RETR]

1 West Stockbridge (Plaza 1)
2 Lee (Plaza 2)
3 Westfield (Plaza 3)
4 West Springfield/I-91 (Plaza 4)
5 Chicopee (Plaza 5)
6 Springfield / I-291 (Plaza 6)
7 Ludlow (Plaza 7)
8 Palmer (Plaza 8)
9 Sturbridge / I-84 (Plaza 9)
10 Worcester/Auburn/I-290 (10)
11 Worcester / Millbury (Plaza 11)
12 Framingham (Plaza 12)
13 Natick / Rt. 30 (Plaza 13)
14 Weston / Rt. 128 / I-95 14)
15 Newton / Boston / Weston (15)
16 West Newton (Plaza 16)
17 Newton Corner (Plaza 17)
18 Allston / Brighton (Plaza 18)
19 Allston / Brighton (Plaza 19)
20 Allston / Brighton (Plaza 20)
21 Allston / Brighton (Not specified)
22 Dartmouth Street (Plaza 22)
24 South Station/I-93 N/S (24)
25 South Boston (Plaza 25)
26 Westborough / I-495 (Plaza 26)
27 Worcester / Rt. 146 (Plaza 25)
30 Logan Airport (Summer Tunnel)
31 Logan Airport (TWT Airport)
37 Logan Airport (TWT Rte 1A)
39 Logan Airport (Not specified)
91 Massachusetts Avenue
92 Clarendon Street
93 Arlington Street
97 NOT ASKED—Mailback
98 Don't Know
99 Refused

TOLLC	[TOLL=1] Toll road amount [RETR] 99 Don't Know/Refused
HOV	[MODE=3 and TOTTR>2] Reason for using or not using HOV lane [RETR]
MODE2	[MODE=5 or 6] Transit mode type [RETR] 1 Local Bus 2 Express Bus 3 Shuttle Bus 4 Subway 5 Commuter Rail 9 Refused
FARE	[MODE=5 or 6 or 7] How fare was paid [RETR] 1 Cash 2 Weekly Pass 3 Monthly Pass 4 Charlie Card 5 Student ID 6 Transfer 7 Charlie Ticket 97 Other, SPECIFY 98 Don't Know 99 Refused
O_FARE	[FARE=97] Other payment type [RETR]
ROUTE	[MODE=5 or 6 or 7] Transit route used [RETR]
ARR_HR	Arrival hour (Military time) [RETR]
ARR_MIN	Arrival minute (Military time) [RETR]
DEP_HR	Departure hour (Military time) [RETR]
DEP_MIN	Departure minute (Military time) [RETR]
TRPDUR	[PLANO>1] Trip duration [CALC]
ACTDUR	Activity duration [CALC]
NAME	Place name [RETR]
ADDR	Address [TT]
CITY	City [TT]
STATE	State [TT]
ZIP	Zip [TT]
XCORD	X-coordinates [TT]
YCORD	Y-coordinates [TT]
PWGT	Person Weight
EXPPWGT	Person Weight, expanded to the population (ACS 2006-2010)

Route File

Variable	Label	Values
SAMPN	Sample number [ADMIN]	
PERNO	Person number [ADMIN]	
TRIPNO	Trip number [ADMIN]	
OPLANO	Origin place number (to link to Place file) [ADMIN]	
DPLANO	Destination place number (to link to Place file) [ADMIN]	
POINTNO	Point number [ADMIN]	
XCORD	X-coordinate [ADMIN]	
YCORD	Y-coordinate [ADMIN]	
DUMMY	Flag to indicate that Trip Tracer route was changed during verification [RETR]	

Appendix E: Weighting and Expansion Plan

MEMORANDUM

To: Bob Frey, Massachusetts Department of Transportation
Robert Sievert, Central Transportation Planning Staff

Date: February 14, 2012

From: Lucia Lanini and Sudeshna Sen, NuStats

Re: Massachusetts Travel Survey: Technical Memorandum on Survey Weighting

The purpose of this memorandum is to summarize the weighting methodology to be used on data collected during the Massachusetts Travel Survey. The memorandum includes the following sections:

- I. Methodological Background and Summary
- II. Household Weight
 - a. Sampling Weight
 - b. Raking Adjustment
 - c. Final Household Weight
- III. Person Weight

I. Methodological Background and Summary

From a finite population sampling theory perspective, analytic weights are needed to develop estimates of population parameters and, more generally, to draw inferences about the population that was sampled. Without the use of analytic weights, population estimates are subject to biases of unknown (possibly large) magnitude. Consequently, analytic weights are crucial to obtain survey estimates with minimal bias.

The weighting approach utilized in this study accounts for the biases associated with sampling and robustness of the data collected. Specifically, the components of the analytic weights generated using this method are as follows:

- Sampling weights
- Raking adjustment

The analytic weights are computed at the household and person level. These weights adjust the relative importance of responses to reflect the different probabilities of selection of respondents, and align the sample distributions to population distributions.

II. Household Weight

Sampling Weight

The sampling weight reflects the probability of selection of a telephone number or an address from the sampling frame. Considering the dual-frame sampling framework employed in this study, separate sampling weights will be calculated for the listed residential and address-based sampling frames. Specifically, the sampling weight for a sampling unit j in the sampling frame, denoted as $W_{j,SampFr}$, is simply the reciprocal of the selection probability of the sampling unit.

$$W_{j,SampFr} = \frac{1}{\text{Prob}_{j,SampFr}}$$

where,

Sampling unit j is a landline number in the listed residential frame and an address in the address-based sampling frame.

Sampling frame $SampFr$ is listed residential or address-based sampling frame.

The sampling weights also adjust for oversampling of specific geographies or demographic groups of interest for which we had implemented controls to make sure that we have adequate observations in these groups. To illustrate, the sampling weight associated with address-based sample is simply computed as the number of addresses in the address-based frame divided by number of sample pieces ordered from the frame for the study area. It is important to note that the adjustments for oversampling were made at the aggregate level of the sampling frame type (instead of a specific geography).

Raking Adjustment

Raking improves the reliability of the survey estimates; hence, raking adjustments are used to align the weighted sample to population statistics from 2008-2010 American Community Survey (ACS). These adjustments will be made using raking variables. In particular, the aforementioned weights will be adjusted so that the sums of the adjusted weights are equal to known population totals for certain subgroups of the population defined by demographic characteristics and geographic variables. The variables used for raking at the household level are as follows:

- Household size
- Household income
- Total number of workers in the household
- Total number of vehicles in the household
- County of residence

These variables were chosen as the raking variables due to significant differences in the coverage by categories of these variables. Therefore, it is reasonable to expect that maximum bias reduction would be achieved using these variables. It is important to note that the missing values in the raking variables were imputed to calculate the raking adjustments. The raking procedure is based on an iterative proportional fitting procedure and involves simultaneous ratio adjustments to two or more marginal distributions of the population counts. The raking procedure is undertaken in a sequence of adjustments. First, the base weights are adjusted to one marginal distribution and then to the second marginal distribution, and so on. One sequence of adjustments to the marginal distributions is known as a cycle or iteration. The procedure is repeated until convergence is achieved. Following the raking procedure, the inordinately large weights, a by-product of raking, will be capped. In particular, the “very large” weights are capped to equal a maximum of five times the mean weight.

Final Household Weight

The final analytic weight is simply the product of sampling weight and raking adjustment. Following the computation of this weight, an expansion procedure is undertaken to get the final ‘expanded’ analytic weight. The expansion process simply takes the weighted total households and multiplies each household by a factor, when applied, expands the data to represent the universe of households in the study area. To derive the expansion factor, a simple division is used: Expansion Factor = $N(\text{Universe}) / N(\text{Surveyed})$.

III. Person Weight

The person weight is a product of the final household weight and the person-level raking weight. Specifically, the person data weighted by the 'final household weight' was raked to align it to the population statistics from 2008-10 ACS data. The raking procedure is based on an iterative proportional fitting procedure. The variables used for raking at the person level are as follows:

- Hispanic Status
- Age

Following the raking procedure, the very large weights will be capped. The weights will then be expanded to reflect the total number of persons residing in the study area.

Appendix F: Recruitment Item Unweighted Frequencies

Table F-1: Household Size (Unweighted)

Household Size	Count	Percent
1	4123	27.4%
2	4829	32.1%
3	2538	16.9%
4	2424	16.1%
5	858	5.7%
6	201	1.3%
7	42	.3%
8	18	.1%
Total	15033	100.0%

Table F-2: Transit Used on Regular Basis (Unweighted)

Transit Used on Regular Basis	Count	Percent
Yes	4119	27.4%
No	10904	72.5%
Don't Know	10	.1%
Total	15033	100.0%

Table F-3: Household Bicycles (Unweighted)

Household Bicycles	Count	Percent
0	6114	40.7%
1	2418	16.1%
2	2775	18.5%
3	1426	9.5%
4	1311	8.7%
5	546	3.6%
6	249	1.7%
7	80	.5%
8	100	.7%
Don't Know	14	.1%
Total	15033	100.0%

Table F-4: Household Vehicles (Unweighted)

Household Vehicles	Count	Percent
0	1538	10.2%
1	4722	31.4%
2	5872	39.1%
3	2000	13.3%
4	615	4.1%
5	195	1.3%
6	63	.4%
7	15	.1%
8 or More	13	.1%
Total	15033	100.0%

Table F-5: Household Ethnicity (Unweighted)

Household Ethnicity	Count	Percent
White Alone	13075	87.0%
Black or African American Alone	621	4.1%
American Indian or Alaskan Native Alone	37	.2%
Asian Alone	276	1.8%
Native Hawaiian Pacific Islander Alone	8	.1%
Some Other Race Alone	562	3.7%
Two or More Races	293	1.9%
Refused	161	1.1%
Total	15033	100.0%

Table F-6: Hispanic or Latino Household (Unweighted)

Hispanic or Latino Household	Count	Percent
Yes	733	4.9%
No	14207	94.5%
Refused	93	.6%
Total	15033	100.0%

Table F-7: Household Residence Type (Unweighted)

Household Residence Type	Count	Percent
Single Family Detached Dwelling	9961	66.3%
Building with 2-4 Units	2746	18.3%
Building with 5-19 Units	1142	7.6%
Building with 20 or More Units	1131	7.5%
Something Else	27	2%
Don't Know	8	.1%
Refused	18	.1%
Total	15033	100.0%

Table F-8: Home Ownership (Unweighted)

Home Ownership	Count	Percent
Own/Mortgaged	11491	76.4%
Renter	3506	23.3%
Other	16	.1%
Don't Know	10	.1%
Refused	10	.1%
Total	15033	100.0%

**Table F-9: Cell Phones in Household
(Unweighted)**

Cell Phones in Household	Count	Percent
0	1147	7.6%
1	4308	28.7%
2	5529	36.8%
3	2222	14.8%
4	1385	9.2%
5	335	2.2%
6	49	.3%
7	8	.1%
8	5	.0%
9	1	.0%
Don't Know	15	.1%
Refused	29	.2%
Total	15033	100.0%

**Table F-10: Landlines in Household
(Unweighted)**

Landlines in Household	Count	Percent
0	101	.7%
1	13749	91.5%
2	932	6.2%
3	172	1.1%
4	36	.2%
5	12	.1%
6	5	.0%
8	2	.0%
10	1	.0%
Don't Know	8	.1%
Refused	15	.1%
Total	15033	100.0%

**Table F-11: Fax Lines in Household
(Unweighted)**

Fax Lines in Household	Count	Percent
0	593	50.1%
1	555	46.9%
2	11	.9%
Don't Know	11	.9%
Refused	13	1.1%
Total	1183	100.0%

Table F-12: Household Income (Unweighted)

Household Income	Count	Percent
Less than \$15 000	1481	9.9%
\$15 000-\$24 999	1054	7.0%
\$25 000-\$34 999	971	6.5%
\$35 000-\$49 999	1431	9.5%
\$50 000-\$74 999	2348	15.6%
\$75 000-\$99 999	2085	13.9%
\$100 000-\$149 999	2520	16.8%
\$150 000 or more	2116	14.1%
Don't Know/Refused	1027	6.8%
Total	15033	100.0%

Table F-13: Trips Made by Household on Travel Day (Unweighted)

Trips Made by Household on Travel Day	Count	Percent
None	628	4.2%
1 to 5	4182	27.8%
6 to 10	4413	29.4%
11 to 15	2680	17.8%
16 to 20	1561	10.4%
21 to 30	1242	8.3%
31 to 50	313	2.1%
50+	14	.1%
Total	15033	100.0%

Table F-14: Household Students (Unweighted)

Household Students	Count	Percent
0	9376	62.4%
1	2593	17.2%
2	2082	13.8%
3	785	5.2%
4	162	1.1%
5	33	.2%
6	2	.0%
Total	15033	100.0%

Table F-15: Household Workers (Unweighted)

Household Workers	Count	Percent
0	3540	23.5%
1	5237	34.8%
2	5095	33.9%
3	917	6.1%
4	209	1.4%
5	32	.2%
6	3	.0%
Total	15033	100.0%

Table F-16: Licensed Drivers in Household (Unweighted)

Licensed Drivers in Household	Count	Percent
0	891	5.9%
1	4490	29.9%
2	7593	50.5%
3	1556	10.4%
4	429	2.9%
5	62	.4%
6	11	.1%
7	1	.0%
Total	15033	100.0%

Table F-17: Gender (Unweighted)

Respondent Gender	Count	Percent
Male	17727	47.9%
Female	19274	52.1%
Refused	22	.1%
Total	37023	100.0%

Table F-18: Age Distribution (Unweighted)

Age Distribution	Count	Percent
Younger than 20	9158	24.7%
20 to 34 years	3973	10.7%
35 to 54 years	11710	31.6%
55 to 64 years	7067	19.1%
65 years or older	4314	11.7%
Refused Age	801	2.2%
Total	37023	100.0%

Table F-19: Valid Driver's License (Unweighted)

Valid Driver's License	Count	Percent
Yes	26433	89.4%
No	3125	10.6%
Don't Know	12	0%
Refused	10	0%
Total	29580	100.0%

Table F-20: Respondent has Transit Pass (Unweighted)

Respondent has Transit Pass	Count	Percent
Yes	6588	22.3%
No	22872	77.3%
Don't Know	115	.4%
Refused	5	.0%
Total	29580	100.0%

Table F-21: Transit Pass Type, Multiple Response (Unweighted)

Transit Pass Type, Multiple Response	Count	Percent
Local Bus Pass	499	7.6%
Link Pass	597	9.0%
Inner Express Bus Pass	17	.3%
Outer Express Bus Pass	6	.1%
Commuter Rail Pass	583	8.8%
Ferry / Board Pass	21	.3%
Charlie Card	3849	58.3%
Other	849	12.9%
Don't Know	131	1.9%
Refused	48	.7%
Total	6600	100.0%

Table F-22: Worker Status, Computed (Unweighted)

Worker Status, Computed	Count	Percent
Yes	19177	64.8%
No	10403	35.2%
Total	29580	100.0%

Table F-23: Employment Status, Non-workers (Unweighted)

Employment Status, Non workers	Count	Percent
Retired	4243	40.8%
Disabled/On Disability Status	1495	14.4%
Homemaker	1376	13.2%
Unemployed but looking for work	1339	12.9%
Unemployed and not looking for work	249	2.4%
Student	1599	15.4%
Other	50	.5%
Refused	52	.5%
Total	10403	100.0%

Table F-24: Average Number of Jobs (Unweighted)

Jobs	Average
Average Number of Jobs	1.47

**Table F-25: Hours Worked per Day
(Unweighted)**

Hours Worked per Day	Count	Percent
1	127	.7%
2	278	1.4%
3	427	2.2%
4	922	4.8%
5	912	4.8%
6	1146	6.0%
7	1161	6.1%
8	8249	43.0%
9	2168	11.3%
10	2348	12.2%
11	209	1.1%
12	677	3.5%
13	42	.2%
14	71	.4%
15	29	.2%
16	40	.2%
17	3	.0%
18	6	.0%
20	21	.1%
22	1	.0%
23	1	.0%
24	31	.2%
Don't Know	233	1.2%
Refused	75	.4%
Total	19177	100.0%

**Table F-26: Days Worked Per Week
(Unweighted)**

Days Worked Per Week	Count	Percent
1	299	1.6%
2	664	3.5%
3	1390	7.2%
4	1815	9.5%
5	13245	69.1%
6	1236	6.4%
7	475	2.5%
Don't Know	39	.2%
Refused	14	.1%
Total	19177	100.0%

**Table F-27: Typical Mode to Work
(Unweighted)**

Typical Mode to Work	Count	Percent
Works from home	1412	7.4%
Walk	735	3.8%
Bike	287	1.5%
Auto/Van/Truck Driver	13803	72.0%
Auto/Van/Truck Passenger	527	2.7%
Bus / Public Transit	1976	10.3%
Dial-A-Ride/Paratransit	20	.1%
Taxi	20	.1%
Motorcycle Driver	12	.1%
Motorcycle Passenger	1	.0%
Other	295	1.5%
Don't Know	51	.3%
Refused	38	.2%
Total	19177	100.0%

**Table F-28: Worker Telecommutes
(Unweighted)**

Worker Telecommutes	Count	Percent
Yes	4665	24.3%
No	14191	74.0%
Don't Know	301	1.6%
Refused	20	.1%
Total	19177	100.0%

Table F-29: Flexible Work Program Offered at Work (Unweighted)

Flexible Work Program Offered at Work	Count	Percent
Yes	4733	24.7%
No	13486	70.3%
Don't Know	929	4.8%
Refused	29	2%
Total	19177	100.0%

Table F-30: Type of Flexible Work Programs Offered, Multiple Response (Unweighted)

Type of Flexible Work Programs Offered, Multiple Response	Count	Percent
9/80 Work Period	321	6.5%
Early Arrival/Departure	1678	33.9%
4/40 Work Week	372	7.5%
Flexible Hours	1111	22.5%
Other	784	15.8%
Don't Know	557	11.3%
Refused	125	2.5%
Total	4948	100.0%

Table F-31: Respondent Participates in Flexible Work Program (Unweighted)

Respondent Participates in Flexible Work Program	Count	Percent
Yes	3819	80.7%
No	797	16.8%
Don't Know	113	2.4%
Refused	4	.1%
Total	4733	100.0%

Table F-32: Disabled License Plate (Unweighted)

Disabled License Plate	Count	Percent
Yes	1712	4.9%
No	33116	94.7%
Don't Know	85	.2%
Refused	47	.1%
Total	34960	100.0%

Table F-33: Disabled Transit Registration (Unweighted)

Disabled Transit Registration	Count	Percent
Yes	924	2.6%
No	33917	97.0%
Don't Know	73	.2%
Refused	46	.1%
Total	34960	100.0%

Table F-34: Level of Education Completed (Unweighted)

Level of Education Completed	Count	Percent
Not a high school graduate 12th grade or less. (Includes very young children)	9640	26.0%
High school graduate (high school diploma or GED)	5513	14.9%
Some college credit but no degree	3107	8.4%
Associate or technical school degree	2451	6.6%
Bachelor's or undergraduate degree	7811	21.1%
Graduate Degree (includes professional degrees MD DDs JD)	8329	22.5%
Other	15	.0%
Don't Know	126	.3%
Refused	31	.1%
Total	37023	100.0%

**Table F-35: School Enrollment Status
(Unweighted)**

School Enrollment Status	Count	Percent
Yes	9910	26.8%
No	27096	73.2%
Don't Know	14	.0%
Refused	3	.0%
Total	37023	100.0%

**Table F-36: Full-time / Part-time Student
Status (Unweighted)**

Full-time / Part-time Student Status	Count	Percent
Part-time	1781	18.0%
Full-time	8124	82.0%
Don't Know	4	.0%
Refused	1	.0%
Total	9910	100.0%

**Table F-37: Student Grade Level
(Unweighted)**

Student Grade Level	Count	Percent
Daycare	338	3.4%
Nursery School / Preschool	574	5.8%
Kindergarten to Grade 8	4646	46.9%
Grade 9 to 12	2398	24.2%
Technical/Vocational School	127	1.3%
Two-year college (community college)	449	4.5%
4-year college or university	823	8.3%
Graduate School/Professional	516	5.2%
Other	10	.1%
Don't Know/Refused	29	.3%
Total	9910	100.0%

**Table F-38: Typical Mode to School
(Unweighted)**

Typical Mode to School	Count	Percent
Home schooled	235	2.4%
Walk	1141	11.5%
Bike	114	1.2%
Auto/Van/Truck Driver	1348	13.6%
Auto/Van/Truck Passenger	3094	31.2%
Bus / Public Transit	582	5.9%
Dial-A-Ride/Paratransit	9	.1%
Taxi	3	.0%
School Bus	3152	31.8%
Motorcycle Driver	1	.0%
Other	130	1.3%
Don't Know	91	.9%
Refused	10	.1%
Total	9910	100.0%

Table F-39: Transit Trips Made in Past Week (Unweighted)

Transit Trips Made in Past Week	Count	Percent
0	27932	75.4%
1	682	1.8%
2	1909	5.2%
3	336	.9%
4	957	2.6%
5	494	1.3%
6	603	1.6%
7	147	.4%
8	488	1.3%
9	35	.1%
10	1747	4.7%
11	14	.0%
12	297	.8%
13	16	.0%
14	388	1.0%
15	87	.2%
16	76	.2%
17	6	.0%
18	32	.1%
19	3	.0%
20	157	.4%
21	12	.0%
22	8	.0%
23	6	.0%
24	16	.0%
25	32	.1%
26	3	.0%
28	28	.1%
30	53	.1%
32	3	.0%
34	1	.0%
35	2	.0%
40	13	.0%
42	7	.0%
45	1	.0%
48	1	.0%
50	6	.0%
52	1	.0%
56	1	.0%
58	1	.0%
60	3	.0%
70	1	.0%
75	1	.0%
87	1	.0%
Don't Know	391	1.1%
Refused	25	.1%
Total	37023	100.0%

Table F-40: Bike Facilities Available at Work/School (Unweighted)

Bike Facilities Available at Work/School	Count	Percent
Yes	11936	43.4%
No	11659	42.4%
Don't Know	3527	12.8%
Refused	365	1.3%
Total	27487	100.0%

Table F-41: Days Used Bike for Recreation in Past Week (Unweighted)

Days Used Bike for Recreation in Past Week	Count	Percent
0	17906	69.0%
1	1619	6.2%
2	1109	4.3%
3	564	2.2%
4	261	1.0%
5	191	.7%
6	57	.2%
7	157	.6%
Don't Know	2535	9.8%
Refused	1547	6.0%
Total	25946	100.0%

Table F-42: Days Used Bike for Transportation in Past Week (Unweighted)

Days Used Bike for Transportation in Past Week	Count	Percent
0	20269	78.1%
1	453	1.7%
2	361	1.4%
3	201	.8%
4	144	.6%
5	198	.8%
6	48	.2%
7	90	.3%
Don't Know	2623	10.1%
Refused	1559	6.0%
Total	25946	100.0%

Table F-43: Bike Lanes/Trails Used for Non-recreational Purposes (Unweighted)

Bike Lanes/Trails Used for Non-Recreational Purposes	Count	Percent
Off-Road	2754	10.6%
On-Road	6081	23.4%
Both	5911	22.8%
Don't Know	8742	33.7%
Refused	2458	9.5%
Total	25946	100.0%

Table F-44: Internet was used on Travel Day in Place of Trips (Unweighted)

Internet was used on Travel Day in Place of Trips	Count	Percent
Yes	2035	5.5%
No	32846	88.7%
Don't Know	2027	5.5%
Refused	115	.3%
Total	37023	100.0%

Table F-45: Reason for Non-Travel (Unweighted)

Reason for Non-Travel	Count	Percent
Personally Sick	623	14.5%
Caretaking Sick Kids	40	.9%
Caretaking Sick Other	39	.9%
Homebound Elderly or Disabled	551	12.9%
Worked at Home for Pay	294	6.9%
Worked Around Home (Not for Pay)	1263	29.5%
Out of Area	270	6.3%
Other	1204	28.1%
Total	4284	100.0%

Table F-46: Vehicle Year (Unweighted)

Vehicle Year	Count	Percent
1964 or older	72	3%
1965-1979	239	.9%
1980-1989	443	1.7%
1990-1999	4660	17.6%
2000-2003	6703	25.3%
2004-2006	6331	23.9%
2007	1998	7.5%
2008	1836	6.9%
2009	1548	5.8%
2010	1648	6.2%
2011	393	1.5%
Don't Know	554	2.1%
Refused	63	2%
Total	26488	100.0%

Table F-47: Vehicle Make (Unweighted)

Vehicle Make	Count	Percent
Acura	369	1.4%
Audi	284	1.1%
BMW	496	1.9%
Buick	471	1.8%
Cadillac	207	.8%
Chevrolet	1881	7.1%
Chrysler	549	2.1%
Dodge	1028	3.9%
Ford	2853	10.8%
Geo	35	.1%
GMC	396	1.5%
Harley Davidson	253	1.0%
Honda	3326	12.6%
Hummer	11	.0%
Hyundai	680	2.6%
Infiniti	138	.5%
Isuzu	43	.2%
Jaguar	38	.1%
Jeep	717	2.7%
Kawasaki	66	.2%
Kia	230	.9%
Lexus	391	1.5%
Lincoln	153	.6%
Mazda	502	1.9%
Mercedes	301	1.1%
Mercury	415	1.6%
Mitsubishi	130	.5%
Nissan	1124	4.2%
Oldsmobile	151	.6%
Plymouth	79	.3%
Pontiac	344	1.3%
Porsche	63	.2%
Range Rover	17	.1%
Saab	262	1.0%
Saturn	422	1.6%
Scion	66	.2%
Subaru	1139	4.3%
Suzuki	88	.3%
Toyota	4734	17.9%
Volkswagen	716	2.7%
Volvo	694	2.6%
Yamaha	82	.3%
Other	370	1.4%
Don't Know	130	.5%
Refused	44	.2%
Total	26488	100.0%

Table F-48: Vehicle Body Type (Unweighted)

Vehicle Body Type	Count	Percent
Car/Station Wagon	13747	51.9%
Van (any type)	2206	8.3%
SUV	6106	23.1%
Pickup Truck	2294	8.7%
Other type of truck	56	.2%
RV	38	.1%
Motorcycle	519	2.0%
Other	53	.2%
Refused	1469	5.5%
Total	26488	100.0%

Table F-49: Vehicle Fuel Type (Unweighted)

Vehicle Fuel Type	Count	Percent
Gas	25575	96.6%
Diesel	283	1.1%
Hybrid	515	1.9%
Flex Fuel	61	.2%
Other	13	.0%
Don't Know	17	.1%
Refused	24	.1%
Total	26488	100.0%

Appendix G: Retrieval Item Unweighted Frequencies

Table G-1: Primary Trip Purpose (Unweighted)

Primary Trip Purpose	Count	Percent
All other home activities	82383	43.3%
Changed type of transportation	18436	9.7%
Work/Job	15181	8.0%
Routine shopping (groceries clothing convenience store HH maintenance)	12933	6.8%
Eat meal outside of home	6247	3.3%
Attending Class	6156	3.2%
Drop off passenger from car	5601	2.9%
Visit friends/relatives	5449	2.9%
Indoor recreation/entertainment	4988	2.6%
Household errands (bank dry cleaning etc.)	4961	2.6%
Work Business Related	4942	2.6%
Pick up passenger from car	4822	2.5%
Personal business (visit government office attorney accountant)	4036	2.1%
Outdoor recreation/entertainment	3313	1.7%
Health care (doctor dentist)	3276	1.7%
Service private vehicle (gas oil lube etc.)	1786	.9%
Working at home (for pay)	1705	.9%
Civic/Religious activities	1261	.7%
Shopping for major purchases or specialty items (appliance electronics new vehicle major HH repairs)	942	.5%
All other School Activities	645	.3%
Looptrip	515	.3%
All other activities at work	456	.2%
Other	153	.1%
Volunteer Work/Activities	28	.0%
While Traveling -- Other	0	.0%

Table G-2: Transportation Mode of Trip (Unweighted)

Transportation Mode	Count	Percent
Walk	24511	16.0%
Bike	1679	1.1%
Auto/Van/Truck Driver	83766	54.7%
Auto/Van/Truck Passenger	28570	18.6%
Public Bus	3699	2.4%
Train	5286	3.5%
Ferry/boat	91	.1%
Dial-A-Ride/Paratransit	303	.2%
Taxi	401	.3%
School bus	4407	2.9%
Motorcycle Driver	97	.1%
Motorcycle Passenger	7	.0%
Other	382	.2%
Total	153199	100.0%

Table G-3: Total People Traveling in Travel Party (Including Respondent) (Unweighted)

Total People Traveling in Travel Party, Including Respondent	Count	Percent
1	90237	60.8%
2	35340	23.8%
3	14365	9.7%
4	5545	3.7%
5	2904	2.0%
Total	148391	100.0%

Table G-4: Parking Location (Unweighted)

Parking Location	Count	Percent
Parking Lot	50303	44.7%
Parking Garage	2275	2.0%
Street	9877	8.8%
Driveway/personal garage	38982	34.7%
Did not park	9684	8.6%
Other	263	.2%
Don't Know	908	.8%
Refused	148	.1%
Total	112440	100.0%

Table G-5: Paid to Park (Unweighted)

Paid to Park	Count	Percent
Did not Pay	100281	89.2%
Did Pay record amount	1841	1.6%
Don't Know	633	.6%
Refused	9685	8.6%
Total	112440	100.0%

**Table G-6: How Parking Fare was Paid
(Unweighted)**

How Parking Fare was Paid	Count	Percent
Cash/Credit/Debit Card	1381	75.0%
Per-Paid parking Pass	345	18.7%
Employer-Provided Parking Pass	105	5.7%
Don't Know	1	.1%
Refused	9	.5%
Total	1841	100.0%

**Table G-7: Toll Road Used on Trip
(Unweighted)**

Toll Road Used on Trip	Count	Percent
Yes	1851	1.6%
No	107885	95.9%
Don't Know	2554	2.3%
Refused	150	.1%
Total	112440	100.0%

**Table G-8: Which Toll Road was Used
(Unweighted)**

Toll Road Used	Count	Percent
Turnpike	1606	86.8%
Ted Williams Tunnel	65	3.5%
Sumner Tunnel	68	3.7%
Tobin Tunnel	112	6.1%
Total	1851	100.0%

**Table G-9: Average Household and Person
Trip Rates (Unweighted)**

Trip Rates	Average
Household Trips	10.2
Person Trips	4.1

Table G-10: Trip Rates by Household Size (Unweighted)

	Count	Mean
1	4123	4.71
2	4829	8.25
3	2538	12.16
4	2424	16.23
5	858	20.42
6	201	23.89
7	42	22.60
8 or More	18	25.78
Total	15033	10.19

Table G-11: Trip Rates by Number of Household Workers (Unweighted)

	Count	Mean
0	3540	6.1
1	5238	9.3
2	5095	12.6
3	916	15.0
4	209	18.3
5	32	22.0
6	3	18.3
Total	15033	10.2

Table G-12: Trip Rates by Household Income (Unweighted)

	Count	Mean
Less than \$15 000	1481	6.6
\$15 000-\$24 999	1054	7.3
\$25 000-\$34 999	971	7.3
\$35 000-\$49 999	1431	8.4
\$50 000-\$74 999	2348	9.8
\$75 000-\$99 999	2085	11.1
\$100 000-\$149 999	2520	12.9
\$150 000 or more	2116	13.4
Don't Know/Refused	1027	9.6
Total	15033	10.2

Table G-13: All Trip Modes (Unweighted)

	Count	Percent
Walk	24511	16.0
Bike	1679	1.1
Auto/Van/Truck Driver	83766	54.7
Auto/Van/Truck Passenger	28570	18.6
Public Bus	3699	2.4
Train	5286	3.5
Ferry/boat	91	.1
Dial-A-Ride/Paratransit	303	.2
Taxi	401	.3
School bus	4407	2.9
Motorcycle Driver	97	.1
Motorcycle Passenger	7	.0
Other SPECIFY	382	.2
Total	153199	100.0

**Figure G-14: Trip Departure Times
(Unweighted)**


	Count	Percent
AM Peak	39630	25.9%
Mid-Day	45234	29.5%
PM Peak	49629	32.4%
Evening	15792	10.3%
Late Night / Early Morning	2914	1.9%
Total	153199	100.0%

**Table G-15: Travel by Day of Week
(Unweighted)**


	Count	Percent
Monday	3040	20.2
Tuesday	3029	20.1
Wednesday	3005	20.0
Thursday	2919	19.4
Friday	3040	20.2
Total	15033	100.0

Appendix H: Survey Materials

Figure H1: Advance Letter (Non-GPS)



c/o NuStats
208 Wild Basin Road, Suite A300
Austin, Texas 78746



<<proj>><sampr>><rep>>

April 3, 2012

<First> <Last> or <Massachusetts Travel Survey Household>
<Address>
<City>, <State> <Zip>

Dear <First Name> or if initial only <Last Household> or if no name <Massachusetts Travel Survey Household>:

Our transportation planners need your help! That is why your household has been randomly selected to participate in the **Massachusetts Travel Survey**, sponsored by the Massachusetts Department of Transportation (MassDOT) and your local metropolitan planning organization. Results from this confidential, federally-funded survey will help MassDOT in planning for transportation investments that will help strengthen your community in a time of limited resources. This is your opportunity to be heard! Your input is important, no matter how much or how little you travel.

NuStats, a professional research company, is conducting the survey and will be contacting you on behalf of MassDOT. Please share this letter and the enclosed brochure with others in your household (we need everyone's participation).

How do you participate? Follow these 4 easy steps:

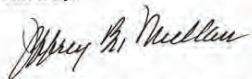
- 1) **Call toll-free at 1-888-222-7734 to complete the survey.**
Or, fill out the enclosed Contact Card and mail it back to us (postage-paid), and you will be called back.
Or, enter your information online at: <http://surveys.nustats.com/travelsurvey>. **Enter PIN#: «PINNO»**
Please respond by: <LAST MAILOUT DATE+15 DAYS>
- 2) **Answer some questions about your household by phone.** If you call us, steps 1 and 2 can be completed at the same time.
- 3) **Record your travel and activities for 24 hours in personalized travel diaries** that we will send for each person in your household.
- 4) **Provide your travel diary information by phone or mail.** An interviewer will call after your travel day to collect the information from each person's travel diary. Or, you can simply return your completed diaries to us by mail.

As thanks for your effort, we are offering **\$25** if you complete the Household Contact Card by **<LAST MAILOUT DATE+15 DAYS>** and **EVERYONE** in your household completes a travel diary. Checks will be mailed once your travel information is complete and confirmed for **EVERYONE** in your household.

For more information on the survey, please contact *Bob Frey of MassDOT* (1-617-973-8900 or email travelsurvey@eot.state.ma.us). You can also see answers to common questions at www.mass.gov/eot/travelsurvey.

Thank you in advance for your time and help with this important survey.

¡Nuestros planificadores del transporte necesitan su ayuda!
Su hogar ha sido elegido al azar para participar en la **Encuesta de Viajes de Massachusetts**. Para participar, complete la Tarjeta de Contacto adjunta o llámenos al 1-888-222-7734. Para más información, visite el sitio de Internet del proyecto: www.mass.gov/eot/travelsurvey. ¡Muchas gracias!

Sincerely,

Jeffrey B. Mullan, *Secretary and CEO*,
Massachusetts Department of Transportation

Survey conducted on behalf of the Massachusetts Department of Transportation and your local Metropolitan Planning Organization (MPO):

Berkshire MPO	Franklin Transportation Planning Organization	Montachusett MPO	Old Colony MPO
Boston MPO	Martha's Vineyard MPO	Nantucket MPO	Pioneer Valley MPO
Cape Cod MPO	Merrimack Valley MPO	Northern Middlesex MPO	Southeastern Massachusetts MPO
Central Massachusetts MPO			



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Massachusetts Travel Survey
Final Report Appendices

Figure H2: Advance Brochure



Top 5

Reasons to Participate

- 1 You have an opportunity to help your community! Your participation ensures that your travel needs and behaviors, and those of households like yours, are included.
- 2 Your travel information can help build a fuller, more accurate picture of local transportation needs, and ensure that public funds for improvements are spent where they are needed most.
- 3 Local and state decision-makers require accurate, updated travel information to make the best recommendations for improvements, and to maintain federal funding eligibility for transportation projects.
- 4 Your information will be used to help manage our transportation system efficiently and effectively, and will enable Massachusetts to get the most value out of future transportation investments.
- 5 Making wise transportation investments can provide better access to jobs and housing, reduce traffic congestion, and increase mobility – all of which can improve our economy, our environment, and our quality of life.

To participate now,
call us toll-free at:

1-888-222-7734

Want to know more
about how to participate?

Call Jeff Livingston, NuStats,
toll-free 1-800-447-8287, ext. 2256,
or send an email to,
travelsurvey@nustats.com

visit:
www.mass.gov/eot/travelsurvey

Want to know more about
how your information
will be used?

Call Bob Frey, MassDOT,
1-617-973-8900,
or send an email to,
travelsurvey@eot.state.ma.us

**Thank you for
your participation!**



**Making the best
public investments
in transportation:**

How you can help!



Survey conducted by NuStats
on behalf of the:



What is the Massachusetts Travel Survey?

The Massachusetts Travel Survey collects information about WHERE you go, HOW you get there, and WHAT you do when you get there.

Why? The survey information will assist public decision-makers in better understanding how well our roads, highways, and transit systems are functioning. *Most importantly, your responses will be used to help plan for future transportation system improvements!*



Confidentiality

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.

How do you participate?

Follow these 4 easy steps

Step 1

Contact Card

This card begins the survey process by asking for a phone number where you can be reached:

- Mail:** Fill out card and drop it in the mail (postage paid).
- Web:** Go to: <http://surveys.nustats.com/travelsurvey>. Enter the PIN# that is printed on the enclosed letter and on the label inside the Contact Card.
- Phone:** Call us toll-free at 1-888-222-7734.
If you call us, we can complete Steps 1 and 2 at the same time!



Step 2

Telephone Interview

Once we receive your contact information, we will call you to ask some demographic questions about your household such as the number of people, their ages and race/ethnicity, where they work or go to school, and the number and type of vehicles you own. *This information is important because it helps to ensure that the survey represents all different types of households in your area.*

If you do not have a telephone, we will send you a booklet containing the household questions and the personalized travel diaries to be used for Step 3.



Step 3

Record your Travel & Activities on an Assigned Day

We will mail you instructions and personalized travel diaries for each person in your household. These diaries should be used by each person to record all the places they visit or stops they make on an assigned date. We ask that a parent or guardian fill out the diaries for any children under age 12.

Step 4

Provide your Travel information by Phone or Mail

An interviewer will call you after your travel day to collect your travel information. Ideally, they would like to speak directly to each person age 16 or older. You may also call us toll-free at 1-888-222-7734 at a time that is convenient for you. Or, simply return your completed diaries to us in the enclosed postage-paid envelope.



Figure H3: Contact Card

I want to participate, please contact me at:
Quiero participar, por favor comuníquense conmigo al:

Best phone number: ()
Mejor número de teléfono:

Alternate phone number: ()
Otro número de teléfono:

I do not have a phone; mail me a survey packet:
No tengo teléfono; envíeme un paquete de la encuesta por correo:

Email:
Correo electrónico:

Whom should we ask for when we call?
¿Por quién debemos pedir hablar cuando llamemos?

The best day(s) to reach me is: ☐ Weekday
Los mejores días para comunicarse conmigo son: ☐ Weekend

The best time to reach me is: ☐ 12-3pm ☐
La mejor hora para comunicarse conmigo es: ☐ Other/Otros:

Please tell us a little bit about your household:
Por favor díganos un poco sobre de su hogar:

1. How many people live in your home?
¿Cuántas personas viven en su hogar? _____ #


2. How many motor vehicles are owned, leased, or available for use by the people who currently live in your household?
¿Cuántos vehículos poseen, arriendan o tienen disponibles para usar las personas que viven actualmente en su hogar? _____ #

3. How many people in your household are employed?
¿Cuántas personas en su hogar tienen empleo? _____ #

Please make any corrections to your address on the label:
Si la dirección indicada no está correcta, por favor córtala en la etiqueta:

If you participate by phone or web, please do not mail this card.
Si participa por teléfono o Internet, por favor no envíe esta tarjeta.

If returning by mail, please seal with tape.
 Si lo está enviando por correo, favor de cerrar con cinta.




**NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES**

BUSINESS REPLY MAIL
FIRST-CLASS MAIL PERMIT NO. 5478 AUSTIN TX

POSTAGE WILL BE PAID BY ADDRESSEE

Massachusetts Travel Survey
C/O NUSTATS
206 WILD BASIN RD STE A300
AUSTIN TX 78746-9828



Step 1 Contact Card

Call 1-888-222-7734

Or, enter your contact information online and we will call you.
<http://surveys.nustats.com/travelsurvey>

Enter the PIN# located on your letter or the label inside.

If you call us, you can complete Steps 1 and 2 at the same time!

Paso 1 Tarjeta de Contacto


Llame al 1-888-222-7734

O ingrese su información de contacto en línea y le llamaremos.
<http://surveys.nustats.com/travelsurvey>

Ingresa el número de PIN que se encuentra en la etiqueta que está adentro.

Si nos llama, ¡usted puede completar Pasos 1 y 2 al mismo tiempo!

Figure H4: Diary Letter (Non-GPS)



c/o NuStats
206 Wild Basin Road, Suite A300
Austin, Texas 78746

Moving Massachusetts Forward.
massDOT
Massachusetts Department of Transportation

«RECPROJ»-«SAMPN»-«ASSIGN»

April 3, 2012

«FIRSTNAME» «LASTNAME»
«ADDRESS»
«CITY», «STATE» «ZIP»

Dear «FIRSTNAME»:

Thank you for participating in the Massachusetts Travel Survey!
The travel information from households like yours will help to ensure that future transportation projects reflect what your community needs and that Massachusetts taxpayer funds are spent wisely. Please remember that your input is important, no matter how much or how little you travel.

This survey is being conducted on behalf of the Massachusetts Department of Transportation (MassDOT) and your local metropolitan planning organization. The information is being collected by NuStats, a professional research company. NuStats ensures that all information collected will be held strictly confidential and will be used in combination with data from other participating households.

How do you participate? Follow these 3 easy steps:

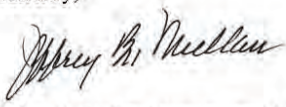
- 1) **Review the instructions and example inside the travel diary.**
- 2) **Record your travel for 24 hours on «TDAY».**
This package contains personalized travel diaries. Everyone in your household should use the diaries to record all the places they visit, or stops they make, whether around town or out-of-town. Please ensure that all persons age 12 and older fill out the travel diaries completely and accurately. Parents/guardians should fill out the diaries for children under age 12.
- 3) **Report your travel information to us when we call after your assigned travel day.**
If you prefer, call the survey hotline toll-free at 1-888-222-7734 to provide the information at your convenience. Or, simply mail your completed diaries in the enclosed postage-paid envelope. If you choose this option, we may have to call you to clarify or collect any missing information.

INCENTXT<We are offering \$<INAMT> in appreciation of your efforts, but only if EVERYONE in your household completes a travel diary by <TDAY+15 DAYS>. Once all your travel information is complete and confirmed for EVERYONE in your household, we will mail you a check.>

If you have questions, please do not hesitate to call the survey hotline toll-free at 1-888-222-7734 (10 a.m.-9 p.m. EST Mon-Fri and 12 p.m.-8 p.m. EST on weekends). For more information on the survey, please contact *Bob Frey* of *MassDOT* (1-617-973-8900 or travelsurvey@eot.state.ma.us). You can also see answers to common questions posted at www.mass.gov/eot/travelsurvey.

Thank you again for your participation and willingness to provide the details that will help us to improve regional mobility and transportation choice and preserve our state's quality of life.

Sincerely,


 Jeffrey B. Mullan, *Secretary and CEO*
 Massachusetts Department of Transportation

Survey conducted on behalf of the Massachusetts Department of Transportation and your local Metropolitan Planning Organization (MPO):

Berkshire MPO	Franklin Transportation Planning Organization	Montachusett MPO	Old Colony MPO
Boston MPO	Martha's Vineyard MPO	Nantucket MPO	Pioneer Valley MPO
Cape Cod MPO	Merrimack Valley MPO	Northern Middlesex MPO	Southeastern Massachusetts MPO
Central Massachusetts MPO			

Figure H5: Diary

PLACE 1

Begin recording your travel here

For this diary, the day begins at 3 a.m. when most people are home asleep. If this is the case with you, check "My home," then record all the activities you did before leaving and the exact time you leave for the first time.

IF YOU RIDE THE BUS/TRAIN OR CARPOOL/VANPOOL:
Please record each bus stop, train station, or carpool/vanpool meeting place where you got on or off as a separate PLACE.

PLACE 2

A What is this PLACE? ☐ My home ☐ My school ☐ Another place
☐ My work ☐ Transit stop

B What is the NAME and ADDRESS of this PLACE?

Name of place (if any) OR Transit stop _____

Street address OR nearest cross-streets _____

City _____ State _____ Zip _____

C What TIME did you ARRIVE? (Exact time) ☐ am ☐ pm

STOP Did you remember to . . .

- Record each place you went, even short walks, quick stops, and places you went in the evening?
- Record exact place names and complete addresses?
- Record the activities that you did at each place?

LIST 1 - MEANS OF TRAVEL

- Walk
- Bike
- Auto/Van/Truck driver
- Auto/Van/Truck passenger
- Public Transit Bus
- Public Transit Rail/Train
- Ferry/Boat
- Dial-a-ride/Paratransit
- Taxi
- School bus
- Motorcycle driver
- Motorcycle passenger
- Other (write code 97 and specify)

Diary Instructions

Use this diary to record information about **ALL** the **PLACES** you visit on your assigned travel day. Record one **PLACE** per page. Tell us the:

- PLACES you visit.**
The place name, exact address and/or cross-streets, city, state, and zip are critical for assessing areas with traffic congestion.

What is a **PLACE**?
A **PLACE** is any location you travel to, no matter how long you are there.
Examples: stopping for gas, drive-thru window, dropping off or picking up someone, going to work, walking to lunch or dining in a restaurant, etc.

Example PLACE


A What is this PLACE? ☐ My home ☐ My school ☒ Another place
☐ My work ☐ Transit stop

B What is the NAME and ADDRESS of this PLACE?

Happy Kids Day Care
Name of place (if any) OR Transit stop _____
901 Main St.
Street address OR nearest cross-streets _____
Anytown MA 99999
City State Zip

C What TIME did you ARRIVE? (Exact time) 7 32 ☒ am ☐ pm

D HOW did you GET there? (Use LIST 1-MEANS OF TRAVEL on flap) Code: 3



Personal One-Day Travel Diary for:

<<First Name>>
of the
<<Last Name>> Household

Carry your diary with you and record your travel on:
<<TDATE>>

MTS<<SAMPLE>><<INQUIRIES>><<PHONE>><<FAX>>

Here's what we need:

Record **ALL** the **PLACES** you go, **HOW** you travel, and **WHAT** you do there on your assigned travel day.
Begin at 3 a.m. (or when you wake up) on your assigned travel day and end at 2:59 a.m. the next day (or when you go to sleep on your travel day).

HINT!

Carry this diary with you during your travel day to help you remember to record **IMPORTANT** details like the exact address of each place, how you get there, and the precise arrival and departure times.

See the Instructions & Example inside!

Thank you for your participation!

If you need help filling out your travel diary, please call the toll-free survey hotline:
1-888-222-7734


For more information about the survey, please call:
Jeff Livingston, NuStats
1-800-447-8287, ext. 2256
travelsurvey@nustats.com
or
Bob Frey, MassDOT
1-617-973-8900
travelsurvey@eot.state.ma.us
or
visit the survey website at
www.mass.gov/eot/travelsurvey

Survey conducted by NuStats on behalf of:


massDOT
Massachusetts Department of Transportation

Appendix I: GPS Materials

Figure I1: Diary Letter (GPS)



c/o NuStats
206 Wild Basin Road, Suite A300
Austin, Texas 78746



«RECPROJ»-«SAMPN»-«ASSIGN»

April 3, 2012

«FIRSTNAME» «LASTNAME»
«ADDRESS»
«CITY», «STATE» «ZIP»

Dear «FIRSTNAME»:

Thank you for participating in the Massachusetts Travel Survey!

The travel information from households like yours will help to ensure that future transportation projects reflect what your community needs and that Massachusetts taxpayer funds are spent wisely. Please remember that your input is important, no matter how much or how little you travel.

This survey is being conducted on behalf of the Massachusetts Department of Transportation (MassDOT) and your local metropolitan planning organization. The information is being collected by NuStats, a professional research company. NuStats ensures that all information collected will be held strictly confidential and will be used in combination with data from other participating households.

How do you participate? Follow these 4 easy steps:


- 1) **Review the instructions and example inside the travel diary.**
- 2) **Record your travel for 24 hours on <FIRSTTRAVELDAY>.**
This package contains personalized travel diaries. Everyone in your household should use the diaries to record all the places they visit, or stops they make, whether around town or out-of-town. Please ensure that all persons age 12 and older fill out the travel diaries completely and accurately. Parents/guardians should fill out the diaries for children under age 12.
- 3) **Wear or carry your GPS device on [FIRSTTRAVELDAY] through [LASTTRAVELDAY].**
This package also contains one GPS device for each household person age 16 and older. These devices should be worn or carried on your assigned travel day as well as the following weekday. Detailed instructions for use, including how to return the GPS devices once your participation is complete, appear on the following pages.
- 4) **Report your travel information to us when we call after your assigned travel day.**
If you prefer, call the survey hotline toll-free at 1-888-222-7734 to provide the information at your convenience. Or, simply mail your completed diaries in the enclosed postage-paid envelope. If you choose this option, we may have to call you to clarify or collect any missing information.

We are offering \$[INAMT] in appreciation of your efforts, but only if EVERYONE in your household reports their travel information AND uses the GPS devices as assigned. The check will be mailed once these details are confirmed.

If you have questions, please do not hesitate to call the survey hotline toll-free at 1-888-222-7734 (10 a.m.-9 p.m. EST Mon-Fri and 12 p.m.-8 p.m. EST on weekends). For more information on the survey, please contact *Bob Frey of MassDOT* (1-617-973-8900 or travelsurvey@eot.state.ma.us). You can also see answers to common questions posted at www.mass.gov/eot/travelsurvey.

Thank you again for your participation and willingness to provide the details that will help us to improve regional mobility and transportation choice and preserve our state's quality of life.

Sincerely,


Jeffrey B. Mullan, *Secretary and CEO*
Massachusetts Department of Transportation

Survey conducted on behalf of the Massachusetts Department of Transportation and your local Metropolitan Planning Organization (MPO):

Berkshire MPO	Franklin Transportation Planning Organization	Montachusett MPO	Old Colony MPO
Boston MPO	Martha's Vineyard MPO	Nantucket MPO	Pioneer Valley MPO
Cape Cod MPO	Merrimack Valley MPO	Northern Middlesex MPO	Southeastern Massachusetts MPO
Central Massachusetts MPO			



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Massachusetts Travel Survey
Final Report Appendices

Figure I2: GPS Device Instructions


GPS Device Instructions

[SAMPN]

This package contains one GPS logging device for each person of age 16 or older in your household. Here are pictures of the GPS device to be used in this study.



GPS device clipped to Belt on Waist



GPS Device Assignment

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]	

The GPS devices should be provided to each person as shown in the table above. The GPS Unit ID appears on the back of each GPS logger. The name of each person and a unique color sticker has also been placed on each GPS device. Here is a summary of your schedule for this study:

Travel Diary Date: [TravelDiaryDate] (Day on which your paper travel diary is filled out).
GPS Device Dates: [FirstTravelDay] through [LastTravelDay]

When and How to Wear

- You should wear the GPS device whenever you travel out of your home starting on your assigned travel date (this is also the day that you are recording your travel in the travel diary) and continuing through the GPS study period. If your Travel Diary Day is a Monday, Tuesday, Wednesday, or Thursday, you should wear the device for two consecutive days. If your Travel Diary Day is on Friday, you should wear the device on four consecutive days (Friday through Monday). Please remember that you will need to recharge the unit each night throughout the duration of the study.
- 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/Nightly, including on the Night before your Travel Diary Date (DAYBEFORETRAVELDATE)

- Plug one end of the enclosed cable (the larger end) into the cable on the side of the GPS. Connect the opposite end (smaller end) of the charger into the wall plug adaptor and plug the adaptor 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. The light will be red in the morning when the unit is fully charged.
- Unplug the GPS device in the morning and make sure the green light (top light nearest the power button) is illuminated. If it is not, turn the device off by holding the power button for three to five seconds. All of the lights should turn off. Then press and hold the power button for three to five seconds again to turn the device back on. The green light should now be illuminated, meaning the device is ready to collect data. The green light will flash when data is being collected.

If you have any questions regarding the GPS equipment, please 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 Massachusetts Travel Survey.

Survey conducted on behalf of the Massachusetts Department of Transportation and your local Metropolitan Planning Organization (MPO):

Berkshire MPO	Franklin Transportation Planning Organization	Montachusett MPO	Old Colony MPO
Boston MPO	Martha's Vineyard MPO	Nantucket MPO	Pioneer Valley MPO
Cape Cod MPO	Merrimack Valley MPO	Northern Middlesex MPO	Southeastern Massachusetts MPO
Central Massachusetts MPO			

GPS Device Return

[SAMPN]

Return the GPS Devices 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 phone or by mail (using the return envelope provided).

If you have any questions regarding the GPS equipment, please 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 Massachusetts Travel Survey.

Please complete this table and return this page with your equipment in the box and FedEx Pak provided.

Person	Name	Used Equipment (Yes/No)	Reason if GPS device not used
[PERSON1]	[NAME1]		
[PERSON2]	[NAME2]		
[PERSON3]	[NAME3]		
[PERSON4]	[NAME4]		
[PERSON5]	[NAME5]		
[PERSON6]	[NAME6]		
[PERSON7]	[NAME7]		
[PERSON8]	[NAME8]		

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 \$[INAMT] participation award, you must:

- Use the enclosed travel diaries and report your travel details by phone or mail.
- Use the enclosed GPS devices and return them via FedEx. 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!

Survey conducted on behalf of the Massachusetts Department of Transportation and your local Metropolitan Planning Organization (MPO):

Berkshire MPO

Boston MPO

Cape Cod MPO

Central Massachusetts MPO

Friar's Transportation Planning Organization

Martha's Vineyard MPO

Metrowest Valley MPO

Montachusett MPO

Nantucket MPO

Northern Middlesex MPO

Old Colony MPO

Pioneer Valley MPO

Southeastern Massachusetts MPO

Figure I3: GPS Return Reminder Letter



Figure I4: GPS Incentive Letter



Appendix J: Survey Results by MPO

Survey Results for Boston MPO (MAPC)

Household Characteristics

MAPC-1: Household Size (Weighted) – HHSIZ

Household Size	Count	Percent
1	349141	29.0%
2	386500	32.1%
3	191528	15.9%
4	188279	15.6%
5	69387	5.8%
6	15710	1.3%
7	2451	0.2%
8 or More	1945	0.2%
Total	1204940	100.0%

MAPC-2: Transit Used on Regular Basis (Weighted) –RIBUS

Transit Used on Regular Basis	Count	Percent
Yes	506895	42.1%
No	697405	57.9%
Don't Know	640	0.1%
Total	1204940	100.0%

MAPC-3: Household Bicycles (Weighted) – HHBIC

Household Bicycles	Count	Percent
0	523710	43.5%
1	195862	16.3%
2	216283	17.9%
3	104657	8.7%
4	92841	7.7%
5	39110	3.2%
6	17981	1.5%
7	5713	0.5%
8	8023	0.7%
Don't Know	761	0.1%
Total	1204940	100.0%

MAPC-4: Household Number of Vehicles (Weighted)-HHVEH

Household Vehicles	Count	Percent
0	177382	14.7%
1	452213	37.5%
2	432769	35.9%
3	104801	8.7%
4	26128	2.2%
5	8699	0.7%
6	1763	0.1%
7	778	0.1%
8 or More	406	0.0%
Total	1204940	100.0%

MAPC-5: Household Ethnicity (Weighted)- RACE

Household Ethnicity	Count	Percent
White Alone	1005889	83.5%
Black or African American Alone	78612	6.5%
American Indian or Alaskan Native Alone	3409	0.3%
Asian Alone	32756	2.7%
Native Hawaiian, Pacific Islander Alone	1426	0.1%
Some Other Race Alone	45612	3.8%
Two or More Races	26522	2.2%
Refused	10715	0.9%
Total	1204940	100.0%

MAPC-6: Hispanic or Latino Households (Weighted) – HISP

Hispanic or Latino Household	Count	Percent
Yes	56945	4.7%
No	1141224	94.7%
Refused	6770	0.6%
Total	1204940	100.0%

MAPC-7: Household Residence Type (Weighted)-RESTY

Household Residence Type	Count	Percent
Single Family Detached Dwelling	690238	57.3%
Building with 2-4 Units	261809	21.7%
Building with 5-19 Units	114005	9.5%
Building with 20 or More Units	133569	11.1%
Or Something Else?	2999	0.2%
Don't Know	717	0.1%
Refused	1603	0.1%
Total	1204940	100.0%

MAPC-8: Ownership of Household Residence (Weighted) – OWN

Home Ownership	Count	Percent
Own/Mortgaged	871886	72.4%
Renter	330477	27.4%
Other, Specify	1040	0.1%
DK	492	0.0%
RF	1045	0.1%
Total	1204940	100.0%

**MAPC-9: Cell phone lines in Household
(Weighted) – CPLNS**

Cell Phones in Household	Count	Percent
0	93517	7.8%
1	362362	30.1%
2	437461	36.3%
3	171952	14.3%
4	104816	8.7%
5	27419	2.3%
6	3254	0.3%
7	816	0.1%
8	504	0.0%
9	107	0.0%
Don't Know	647	0.1%
Refused	2085	0.2%
Total	1204940	100.0%

**MAPC-10: Landlines in Household
(Weighted)-PHLNS**

Landlines in Household	Count	Percent
0	11539	1.0%
1	1097767	91.1%
2	74935	6.2%
3	14344	1.2%
4	3238	0.3%
5	665	0.1%
6	452	0.0%
7	0	0%
8	208	0.0%
Don't Know	449	0.0%
Refused	1343	0.1%
Total	1204940	100.0%

**MAPC-11: Fax Lines in Household
(Weighted) – FXLNS**

Fax Lines in Household	Count	Percent
0	47055	49.2%
1	45941	48.0%
2	966	1.0%
Don't Know	502	0.5%
Refused	1170	1.2%
Total	95634	100.0%

**MAPC-12: Household Income (Weighted) –
INCOME**

Household Income	Count	Percent
Less than \$15,000	118903	9.9%
\$15,000-\$24,999	81988	6.8%
\$25,000-\$34,999	75527	6.3%
\$35,000-\$49,999	119662	9.9%
\$50,000-\$74,999	187558	15.6%
\$75,000-\$99,999	166267	13.8%
\$100,000-\$149,999	157951	13.1%
\$150,000 or more	233162	19.4%
Don't Know/Refused	63921	5.3%
Total	1204940	100.0%

MAPC-13: Trips Made by Household on Travel Day (Weighted) – HTRIPS

Trips Made by Household on Travel Day	Count	Percent
None	46717	3.9%
1 to 5	301623	25.0%
6 to 10	343588	28.5%
11 to 15	223775	18.6%
16 to 20	136804	11.4%
21 to 30	117166	9.7%
31 to 50	33598	2.8%
50+	1668	0.1%
Total	1204940	100.0%

MAPC-14: Household Students (Weighted) – HHSTU

Household Students	Count	Percent
0	753912	62.6%
1	209505	17.4%
2	163150	13.5%
3	61699	5.1%
4	14646	1.2%
5	2028	0.2%
Total	1204940	100.0%

MAPC-15: Household Workers (Weighted) – HHWRK

Household Workers	Count	Percent
0	264900	22.0%
1	452660	37.6%
2	390170	32.4%
3	77434	6.4%
4	17028	1.4%
5	2605	0.2%
6	143	0.0%
Total	1204940	100.0%

MAPC-16: Licensed Drivers in Household (Weighted) –HHLIC

Licensed Drivers in Household	Count	Percent
0	90908	7.5%
1	384420	31.9%
2	588339	48.8%
3	109061	9.1%
4	27176	2.3%
5	4047	0.3%
6	846	0.1%
7	143	0.0%
Total	1204940	100.0%

MAPC-17: Distribution of Households by Day of Week of Travel (Weighted) – DAY

Day of Week of Travel	Count	Percent
Monday	243125	20.2%
Tuesday	244378	20.3%
Wednesday	247709	20.6%
Thursday	231925	19.2%
Friday	237804	19.7%
Total	1204940	100.0%

Person Characteristics**MAPC-18: Respondent Gender (Weighted) – GEND**

Respondent Gender	Count	Percent
Male	1477187	47.0%
Female	1664427	52.9%
Refused	2120	0.1%
Total	3143734	100.0%

MAPC-19: Age Distribution (Weighted) –AGE

Age Distribution	Count	Percent
Younger than 20	773833	24.6%
20 to 34 years	646398	20.6%
35 to 54 years	914468	29.1%
55 to 64 years	357317	11.4%
65 years or older	391130	12.4%
Refused Age	60588	1.9%
Total	3143734	100.0%

MAPC-20: Valid Driver's License (Weighted)- LIC

Valid Driver's License	Count	Percent
Yes	2121883	84.7%
No	377399	15.1%
Don't Know	3557	0.1%
Refused	1108	0.0%
Total	2503948	100.0%

MAPC-21: Respondent has Transit Pass (Weighted) – TRANS

Respondent has Transit Pass	Count	Percent
Yes	1015720	40.6%
No	1472812	58.8%
Don't Know	15041	0.6%
Refused	375	0.0%
Total	2503948	100.0%

**MAPC-22: Transit Pass Type (Weighted)-
PASST1, PASST2, PASST3**

Transit Pass Type, Multiple Response	Count	Percent
Local Bus Pass	62870	6.2%
Link Pass	122799	12.1%
Inner Express Bus Pass	3038	0.3%
Outer Express Bus Pass	632	0.1%
Commuter Rail Pass	69231	6.8%
Ferry / Board Pass	2655	0.3%
Charlie Card	614405	60.4%
Other, specify	116293	11.4%
Don't Know	19411	1.9%
Refused	6453	0.6%
Total	1017786	100.0%

**MAPC-23: Worker Status, Computed
(Weighted) – WORKS**

Worker Status, Computed	Count	Percent
Yes	1653661	66.0%
No	850287	34.0%
Total	2503948	100.0%

**MAPC-24: Employment Status, Non-workers
(Weighted) – WKSTAT**

Employment Status, Non workers	Count	Percent
Retired	309947	36.5%
Disabled/On Disability Status	107493	12.6%
Homemaker	125567	14.8%
Unemployed but looking for work	116358	13.7%
Unemployed and not looking for work	26833	3.2%
Student	153738	18.1%
Other, SPECIFY	5498	0.6%
Refused	4853	0.6%
Total	850287	100.0%

**MAPC-25: Average Number of Jobs
(Weighted)-JOBS**

Jobs	Average
Average Number of Jobs	1.48

**MAPC-26: Hours Worked per Day (Weighted)
- HOURS**

Hours Worked per Day	Count	Percent
1	14222	0.9%
2	24909	1.5%
3	43244	2.6%
4	79814	4.8%
5	83133	5.0%
6	93988	5.7%
7	97292	5.9%
8	715589	43.3%
9	180713	10.9%
10	197368	11.9%
11	18860	1.1%
12	53510	3.2%
13	3059	0.2%
14	6385	0.4%
15	1652	0.1%
16	3727	0.2%
17	255	0.0%
18	367	0.0%
20	2209	0.1%
22	81	0.0%
23	137	0.0%
24	2565	0.2%
Don't Know	23642	1.4%
Refused	6938	0.4%
Total	1653661	100.0%

**MAPC-27: Respondent Average Number of
Days Worked Per Week (Weighted) – WDAY**

Days Worked Per Week	Count	Percent
1	27584	1.7%
2	57591	3.5%
3	119225	7.2%
4	155129	9.4%
5	1149053	69.5%
6	104117	6.3%
7	36344	2.2%
Don't Know	3602	0.2%
Refused	1016	0.1%
Total	1653661	100.0%

**MAPC-28: Telecommute Status (Weighted) -
TELEW**

Worker Telecommutes	Count	Percent
Yes	429126	26.0%
No	1192611	72.1%
Don't Know	29853	1.8%
Refused	2071	0.1%
Total	1653661	100.0%

**MAPC-29: Flexible Work Program Offered at
Work (Weighted) – SCHED**

Flexible Work Program Offered at Work	Count	Percent
Yes	417709	25.3%
No	1136339	68.7%
Don't Know	97301	5.9%
Refused	2313	0.1%
Total	1653661	100.0%

**MAPC-30: Type of Flexible Work Programs
Offered, Multiple Response (Weighted)-
FLEXP1, FLEXP2, FLEXP3**

Type of Flexible Work Programs Offered, Multiple Response	Count	Percent
9/80 Work Period	28444	6.5%
Early Arrival/Departure	144958	33.1%
4/40 Work Week	37616	8.6%
Flexible Hours	93208	21.3%
Other, Specify	70163	16.0%
Don't Know	52937	12.1%
Refused	10196	2.3%
Total	437522	100.0%

**MAPC-31: Respondent Participates in
Flexible Work Program (Weighted)-FLEXT**

Respondent Participates in Flexible Work Program	Count	Percent
Yes	333558	79.9%
No	73547	17.6%
Don't Know	9986	2.4%
Refused	618	0.1%
Total	417709	100.0%

**MAPC-32: Disabled License Plate
(Weighted)- EDISA**

Disabled License Plate	Count	Percent
Yes	122252	4.1%
No	2815000	95.2%
Don't Know	13982	0.5%
Refused	4396	0.1%
Total	2955629	100.0%

**MAPC-33: Disabled Transit Registration
(Weighted) –EDIS2**

Disabled Transit Registration	Count	Percent
Yes	96516	3.3%
No	2844363	96.2%
Don't Know	10518	0.4%
Refused	4233	0.1%
Total	2955629	100.0%

**MAPC-34: Level of Education Completed
(Weighted) –EDUCA**

Level of Education Completed	Count	Percent
Not a high school graduate, 12th grade or less. (Includes very young children)	825172	26.2%
High school graduate (high school diploma or GED)	418747	13.3%
Some college credit but no degree	259362	8.3%
Associate or technical school degree	154274	4.9%
Bachelor's or undergraduate degree	676227	21.5%
Graduate Degree (includes professional degrees, MD, DDs, JD)	792631	25.2%
Other, SPECIFY	1669	0.1%
Don't Know	12506	0.4%
Refused	3146	0.1%
Total	3143734	100.0%

**MAPC-35: School Enrollment Status
(Weighted)-ENROL**

School Enrollment Status	Count	Percent
Yes	914385	29.1%
No	2227346	70.9%
Don't Know	1723	0.1%
Refused	279	0.0%
Total	3143734	100.0%

**MAPC-36: Full-time / Part-time Student Status
(Weighted)-FPTIM**

Full-time / Part-time Student Status	Count	Percent
Part-time	175699	19.2%
Full-time	738252	80.7%
Don't Know	434	0.0%
Total	914385	100.0%

**MAPC-37: Student Grade Level Attends
(Weighted)-SCHOL**

Student Grade Level	Count	Percent
Daycare	32733	3.6%
Nursery School, Preschool	56951	6.2%
Kindergarten to Grade 8	388003	42.4%
Grade 9 to 12	192908	21.1%
Technical/Vocational School	17875	2.0%
Two-year college (community college)	44675	4.9%
4-year college or university	106643	11.7%
Graduate School/Professional	69354	7.6%
Other, SPECIFY	1301	0.1%
Don't Know/Refused	3941	0.4%
Total	914385	100.0%

MAPC-38: Transit Trips Made in Past Week (Weighted)- TTRIP

Transit Trips Made in Past Week	Count	Percent
0	1932222	61.5%
1	73265	2.3%
2	240942	7.7%
3	48632	1.5%
4	140019	4.5%
5	65821	2.1%
6	83091	2.6%
7	16285	0.5%
8	67877	2.2%
9	4492	0.1%
10	230288	7.3%
11	2353	0.1%
12	46367	1.5%
13	2392	0.1%
14	60515	1.9%
15	13217	0.4%
16	13717	0.4%
17	767	0.0%
18	4504	0.1%
19	215	0.0%
20	22161	0.7%
21	1568	0.0%
22	1255	0.0%
23	1032	0.0%
24	2252	0.1%
25	3757	0.1%
26	698	0.0%
28	4734	0.2%
30	7504	0.2%

Transit Trips Made in Past Week	Count	Percent
32	403	0.0%
35	274	0.0%
40	2220	0.1%
42	1169	0.0%
45	84	0.0%
48	156	0.0%
50	441	0.0%
56	170	0.0%
60	375	0.0%
70	282	0.0%
Don't Know	43710	1.4%
Refused	2506	0.1%
Total	3143734	100.0%

MAPC-39: Bike Facilities Available at Work/School (Weighted)- BIKFA

Bike Facilities Available at Work/School	Count	Percent
Yes	1079571	45.2%
No	945508	39.6%
Don't Know	326179	13.7%
Refused	36558	1.5%
Total	2387816	100.0%

MAPC-40: Days Used Bike for Recreation in Past Week (Weighted)- BIKD1

Days Used Bike for Recreation in Past Week	Count	Percent
0	1410361	67.9%
1	133193	6.4%
2	89832	4.3%
3	44780	2.2%
4	23165	1.1%
5	17476	0.8%
6	4210	0.2%
7	11514	0.6%
Don't Know	208193	10.0%
Refused	134365	6.5%
Total	2077089	100.0%

MAPC-41: Days Used Bike for Transportation in Past Week (Weighted) – BIKD2

Days Used Bike for Transportation in Past Week	Count	Percent
0	1561471	75.2%
1	44603	2.1%
2	36583	1.8%
3	23038	1.1%
4	19168	0.9%
5	24813	1.2%
6	7021	0.3%
7	10342	0.5%
Don't Know	213783	10.3%
Refused	136266	6.6%
Total	2077089	100.0%

MAPC-42: Bike Lanes/Trails Used (Weighted) – BIKRD

Bike Lanes/Trails Used for Non-Recreational Purposes	Count	Percent
Off-Road	182739	8.8%
On-Road	485604	23.4%
Both	469654	22.6%
Don't Know	731949	35.2%
Refused	207143	10.0%
Total	2077089	100.0%

MAPC-43: Internet was Used on Travel Day in Place of Trips (Weighted)-INUSE

Internet was used on Travel Day in Place of Trips	Count	Percent
Yes	176116	5.6%
No	2784871	88.6%
Don't Know	174580	5.6%
Refused	8168	0.3%
Total	3143734	100.0%

MAPC-44: Reason for Non-Travel (Weighted)-NOGO

Reason for Non-Travel	Count	Percent
Personally Sick	55439	15.3%
Caretaking Sick Kids	4867	1.3%
Caretaking Sick Other	3329	0.9%
Homebound Elderly or Disabled	47915	13.3%
Worked at Home for Pay	25910	7.2%
Worked Around Home (Not for Pay)	106133	29.4%
Out of Area	25663	7.1%
Other, SPECIFY	92306	25.5%
Total	361562	100.0%

Vehicle Characteristics

MAPC-45: Vehicle Year (Weighted) – YEAR

Vehicle Year	Count	Percent
1964 or older	3917	0.2%
1965-1979	9364	0.5%
1980-1989	21804	1.2%
1990-1999	299294	17.0%
2000-2003	461522	26.2%
2004-2006	431545	24.5%
2007	140237	8.0%
2008	131084	7.4%
2009	114126	6.5%
2010	121243	6.9%
2011	27715	1.6%
Total	1761851	100.0%

MAPC-46: Vehicle Make (Weighted) – MAKE

Vehicle Make	Count	Percent
Acura	35789	2.0%
Audi	26731	1.5%
BMW	40543	2.3%
Buick	29414	1.6%
Cadillac	13107	0.7%
Chevrolet	90068	5.0%
Chrysler	33945	1.9%
Dodge	49341	2.7%
Ford	166556	9.3%
Geo	2301	0.1%
GMC	18153	1.0%
Harley Davidson	9068	0.5%
Honda	257472	14.3%
Hummer	495	0.0%
Hyundai	35695	2.0%
Infiniti	12780	0.7%
Isuzu	1811	0.1%
Jaguar	2202	0.1%
Jeep	41113	2.3%
Kawasaki	2844	0.2%
Kia	16647	0.9%
Lexus	34999	1.9%
Lincoln	10111	0.6%
Mazda	36166	2.0%
Mercedes	25261	1.4%
Mercury	30788	1.7%
Mitsubishi	8126	0.5%

Nissan	74033	4.1%
Oldsmobile	10068	0.6%
Plymouth	3642	0.2%
Pontiac	16563	0.9%
Porsche	5200	0.3%
Range Rover	1096	0.1%
Saab	21961	1.2%
Saturn	23240	1.3%
Scion	4371	0.2%
Subaru	86066	4.8%
Suzuki	3330	0.2%
Toyota	366379	20.4%
Volkswagen	59641	3.3%
Volvo	57347	3.2%
Yamaha	3087	0.2%
Other, SPECIFY	21280	1.2%
Don't Know	8632	0.5%
Refused	1976	0.1%
Total	1799438	100.0%

MAPC-47: Vehicle Body Type (Weighted) – BODY

Vehicle Body Type	Count	Percent
Car/Station Wagon	1015224	56.4%
Van (any type)	153835	8.5%
SUV	410176	22.8%
Pickup Truck	100073	5.6%
Other type of truck	2848	0.2%
RV	921	0.1%
Motorcycle	19787	1.1%
Other, Specify	2835	0.2%
Refused	93739	5.2%
Total	1799438	100.0%

MAPC-48: Vehicle Fuel Type (Weighted) - FUEL

Vehicle Fuel Type	Count	Percent
Gas	1731796	96.2%
Diesel	13973	0.8%
Hybrid	45791	2.5%
Flex Fuel	3855	0.2%
Other, SPECIFY	787	0.0%
Don't Know	1756	0.1%
Refused	1481	0.1%
Total	1799438	100.0%

Place Characteristics

MAPC-49: Primary Trip Purpose (Weighted) – TPURP

Primary Trip Purpose	Count	Percent
All other home activities	6946775	40.1%
Changed type of transportation	3065459	17.7%
Work/Job	1289874	7.4%
Routine shopping (groceries, clothing, convenience store, HH maintenance)	1002045	5.8%
Attending Class	554895	3.2%
Eat meal outside of home	512016	3.0%
Drop off passenger from car	494374	2.9%
Indoor recreation/entertainment	446244	2.6%
Pick up passenger from car	426682	2.5%
Visit friends/relatives	409548	2.4%
Household errands (bank, dry cleaning, etc.)	364110	2.1%
Work Business Related	358816	2.1%
Personal business (visit government office, attorney, accountant)	330032	1.9%
Outdoor recreation/entertainment	270037	1.6%
Health care (doctor, dentist)	257955	1.5%
Working at home (for pay)	154664	0.9%
Service private vehicle (gas, oil lube, etc.)	119633	0.7%
Civic/Religious activities	91289	0.5%
Shopping for major purchases or specialty items (appliance, electronics, new vehicle, major HH repairs)	72401	0.4%
All other School Activities	58792	0.3%
Loop trip	43614	0.3%
All other activities at work	41964	0.2%
Other, SPECIFY	12092	0.1%
Volunteer Work/Activities	1867	0.0%
While Traveling -- Other, Specify	0	0.0%
Total	17325180	100.0%

MAPC-50: Total People Traveling in Travel Party, Including Respondent (Weighted) – TOTTR

Total People Traveling	Count	Percent
1 person	8663304	62.5%
2 persons	3138518	22.7%
3 persons	1311326	9.5%
4 persons	487544	3.5%
5 persons	252506	1.8%
Total	13853198	100.0%

MAPC-51: Parking Location (Weighted) – PRKTY

Parking Location	Count	Percent
Parking Lot	3415338	41.6%
Parking Garage	223537	2.7%
Street	974128	11.9%
Driveway/personal garage	2678454	32.6%
Did not park	830343	10.1%
Other, SPECIFY	13267	0.2%
Don't Know	71240	0.9%
Refused	11610	0.1%
Total	8217916	100.0%

MAPC-52: Paid to Park (Weighted) – PRKCS

Paid to Park	Count	Percent
Did not Pay	7143155	86.9%
Did Pay, record amount	188468	2.3%
Don't Know	54585	0.7%
Refused	831709	10.1%
Total	8217916	100.0%

MAPC-53: How Parking Fare was Paid (Weighted) – PRKHW

How Parking Fare was Paid	Count	Percent
Cash/Credit/Debit Card	138697	73.6%
Per-Paid parking Pass	37149	19.7%
Employer-Provided Parking Pass	11679	6.2%
Refused	943	0.5%
Total	188468	100.0%

**MAPC-54: Toll Road Used on Trip (Weighted)
– TOLL (Use a Toll road)?**

Use a Toll Road	Count	Percent
Yes	176660	2.1%
No	7871875	95.8%
Don't Know	158392	1.9%
Refused	10990	0.1%
Total	8217916	100.0%

**MAPC-55: Toll Road Used (Weighted) – TOLLT
(Which Toll road was used)?**

Which Toll Road was Used	Count	Percent
Turnpike	143972	81.5%
Ted Williams Tunnel	7645	4.3%
Sumner Tunnel	9956	5.6%
Tobin Tunnel	15087	8.5%
Total	176660	100.0%

Travel Behavior

**MAPC-56: Average Household and Person
Trip Rates (Weighted)**

	Average Trip Rate
Household	10.6
Person	4.1

**MAPC-57: Trip Rates by Household Size
(Weighted)**

Household Size	Trip Rate
1	4.5
2	8.3
3	13.6
4	17.5
5	22.2
6	26.6
7	24.8
8 or more	29.8
Total	10.6

**MAPC-58: Trip Rates by Number of
Household Workers (Weighted)**

Household Workers	Trip Rate
0	6.6
1	9.7
2	13.1
3	16.8
4	22.0
5	27.2
6	22.7
Total	10.6

**MAPC-59: Trip Rates by Household Income
(Weighted)**

Household Income	Trip Rate
Less than \$15,000	8.3
\$15,000-\$24,999	9.2
\$25,000-\$34,999	8.4
\$35,000-\$49,999	9.4
\$50,000-\$74,999	10.2
\$75,000-\$99,999	11.4
\$100,000-\$149,999	13.2
\$150,000 or more	13.3
Don't Know/Refused	9.8
Total	10.6

MAPC-60: All Trip Modes (Weighted)

Transportation Mode	Count	Percent
Walk	3726746	26.3%
Bike	209057	1.5%
Auto/Van/Truck Driver	5897416	41.6%
Auto/Van/Truck Passenger	2315815	16.3%
Public Bus	678513	4.8%
Train	927518	6.5%
Ferry/boat	8805	0.1%
Dial-A-Ride/Paratransit	38940	0.3%
Taxi	35406	0.2%
School bus	293585	2.1%
Motorcycle Driver	4685	0.0%
Other, SPECIFY	45703	0.3%
Total	14182189	100.0%

MAPC-61: Mode to Work (Weighted)

Mode to Work	Count	Percent
Works from home	123715	7.5%
Walk	104994	6.3%
Bike	45443	2.7%
Auto/Van/Truck Driver	941943	57.0%
Auto/Van/Truck Passenger	47594	2.9%
Bus / Public Transit	342148	20.7%
Dial-A-Ride/Paratransit	2135	0.1%
Taxi	2562	0.2%
Motorcycle Driver	798	0.0%
Motorcycle Passenger	181	0.0%
Other, SPECIFY	33314	2.0%
Don't Know	5992	0.4%
Refused	2841	0.2%
Total	1653661	100.0%

MAPC-62: Mode to School (Weighted)

Mode to School	Count	Percent
Home schooled	20116	2.2%
Walk	146757	16.0%
Bike	14458	1.6%
Auto/Van/Truck Driver	104114	11.4%
Auto/Van/Truck Passenger	266017	29.1%
Bus / Public Transit	129829	14.2%
Dial-A-Ride/Paratransit	666	0.1%
Taxi	749	0.1%
School Bus	205044	22.4%
Motorcycle Driver	216	0.0%
Other, SPECIFY	15154	1.7%
Don't Know	10156	1.1%
Refused	1111	0.1%
Total	914385	100.0%

Survey Results for Southeastern Massachusetts MPO (SRPEDD)

Household Characteristics

SRPEDD-1: Household Size (Weighted) – HHSIZ

Household Size	Count	Percent
1	79639	33.9%
2	68018	28.9%
3	38960	16.6%
4	32344	13.8%
5	12303	5.2%
6	2669	1.1%
7	727	0.3%
8 or More	349	0.1%
Total	235009	100.0%

SRPEDD-2: Transit Used on Regular Basis (Weighted) –RIBUS

Transit Used on Regular Basis	Count	Percent
Yes	40914	17.4%
No	194095	82.6%
Total	235009	100.0%

SRPEDD-3: Household Bicycles (Weighted) – HHBIC

Household Bicycles	Count	Percent
0	110812	47.2%
1	41004	17.4%
2	38054	16.2%
3	18473	7.9%
4	16527	7.0%
5	5699	2.4%
6	2509	1.1%
7	575	0.2%
8	1014	0.4%
Don't Know	341	0.1%
Total	235009	100.0%

SRPEDD-4: Household Number of Vehicles (Weighted)-HHVEH

Household Vehicles	Count	Percent
0	30415	12.9%
1	82530	35.1%
2	76822	32.7%
3	28803	12.3%
4	12494	5.3%
5	3379	1.4%
6	397	0.2%
7	0	0%
8 or More	169	0.1%
Total	235009	100.0%

**SRPEDD-5: Household Ethnicity (Weighted)-
RACE**

Household Ethnicity	Count	Percent
White Alone	209816	89.3%
Black or African American Alone	6572	2.8%
American Indian or Alaskan Native Alone	522	0.2%
Asian Alone	1102	0.5%
Some Other Race Alone	10193	4.3%
Two or More Races	4279	1.8%
Refused	2525	1.1%
Total	235009	100.0%

**SRPEDD-6: Hispanic or Latino Households
(Weighted) – HISP**

Hispanic or Latino Household	Count	Percent
Yes	11088	4.7%
No	222512	94.7%
Refused	1409	0.6%
Total	235009	100.0%

**SRPEDD-7: Household Residence Type
(Weighted)-RESTY**

Household Residence Type	Count	Percent
Single Family Detached Dwelling	146746	62.4%
Building with 2-4 Units	52027	22.1%
Building with 5-19 Units	24470	10.4%
Building with 20 or More Units	11564	4.9%
or Something Else?	201	0.1%
Total	235009	100.0%

**SRPEDD-8: Ownership of Household
Residence (Weighted) – OWN**

Home Ownership	Count	Percent
Own/Mortgaged	157113	66.9%
Renter	77712	33.1%
Other, Specify	183	0.1%
Total	235009	100.0%

**SRPEDD-9: Cell phone lines in Household
(Weighted) – CPLNS**

Cell Phones in Household	Count	Percent
0	26490	11.3%
1	78639	33.5%
2	76805	32.7%
3	33176	14.1%
4	15302	6.5%
5	3492	1.5%
6	629	0.3%
7	0	0.0%
8	234	0.1%
Refused	243	0.1%
Total	235009	100.0%

**SRPEDD-10: Landlines in Household
(Weighted)-PHLNS**

Landlines in Household	Count	Percent
0	3499	1.5%
1	218771	93.1%
2	9893	4.2%
3	1578	0.7%
4	516	0.2%
5	98	0.0%
6	186	0.1%
Don't Know	225	0.1%
Refused	243	0.1%
Total	235009	100.0%

**SRPEDD-11: Fax Lines in Household
(Weighted) – FXLNS**

Fax Lines in Household	Count	Percent
0	6722	52.8%
1	5603	44.0%
Don't Know	170	1.3%
Refused	243	1.9%
Total	12739	100.0%

**SRPEDD-12: Household Income (Weighted) –
INCOME**

Household Income	Count	Percent
Less than \$15,000	38575	16.4%
\$15,000-\$24,999	30369	12.9%
\$25,000-\$34,999	23532	10.0%
\$35,000-\$49,999	34340	14.6%
\$50,000-\$74,999	35717	15.2%
\$75,000-\$99,999	28594	12.2%
\$100,000-\$149,999	20309	8.6%
\$150,000 or more	15456	6.6%
Don't Know/Refused	8117	3.5%
Total	235009	100.0%

SRPEDD-13: Trips Made by Household on Travel Day (Weighted) – HTRIPS

Trips Made by Household on Travel Day	Count	Percent
None	14161	6.0%
1 to 5	79742	33.9%
6 to 10	73347	31.2%
11 to 15	34474	14.7%
16 to 20	17788	7.6%
21 to 30	12790	5.4%
31 to 50	2707	1.2%
Total	235009	100.0%

SRPEDD-14: Household Students (Weighted) – HHSTU

Household Students	Count	Percent
0	151186	64.3%
1	40644	17.3%
2	30711	13.1%
3	10473	4.5%
4	1303	0.6%
5	692	0.3%
Total	235009	100.0%

SRPEDD-15: Household Workers (Weighted) – HHWRK

Household Workers	Count	Percent
0	76615	32.6%
1	83074	35.3%
2	58409	24.9%
3	13801	5.9%
4	3109	1.3%
Total	235009	100.0%

SRPEDD-16: Licensed Drivers in Household (Weighted) –HHLIC

Licensed Drivers in Household	Count	Percent
0	20654	8.8%
1	85159	36.2%
2	99352	42.3%
3	22443	9.5%
4	6834	2.9%
5	567	0.2%
Total	235009	100.0%

SRPEDD-17: Distribution of Households by Day of Week of Travel (Weighted) – DAY

Day of Week of Travel	Count	Percent
Monday	49591	21.1%
Tuesday	44171	18.8%
Wednesday	42745	18.2%
Thursday	46995	20.0%
Friday	51506	21.9%
Total	235009	100.0%

Person Characteristics

**SRPEDD-18: Respondent Gender (Weighted)
– GEND**

Respondent Gender	Count	Percent
Male	268360	46.7%
Female	305762	53.3%
Total	574122	100.0%

**SRPEDD-19: Age Distribution (Weighted) –
AGE**

Age Distribution	Count	Percent
Younger than 20	141794	24.7%
20 to 34 years	115506	20.1%
35 to 54 years	166558	29.0%
55 to 64 years	62984	11.0%
65 years or older	82656	14.4%
Refused Age	4623	0.8%
Total	574122	100.0%

**SRPEDD-20: Valid Driver's License
(Weighted)-LIC**

Valid Driver's License	Count	Percent
Yes	392539	84.0%
No	74821	16.0%
Total	467360	100.0%

**SRPEDD-21: Respondent has Transit Pass
(Weighted) – TRANS**

Respondent has Transit Pass	Count	Percent
Yes	43739	9.4%
No	423238	90.6%
Don't Know	383	0.1%
Total	467360	100.0%

**SRPEDD-22: Transit Pass Type (Weighted)-
PASST1, PASST2, PASST3**

Transit Pass Type, Multiple Response	Count	Percent
Local Bus Pass	12814	29.3%
Link Pass	1744	4.0%
Commuter Rail Pass	4971	11.4%
Charlie Card	15903	36.4%
Other, specify	6352	14.5%
Don't Know	1332	3.0%
Refused	622	1.4%
Total	43739	100.0%

**SRPEDD-23: Worker Status, Computed
(Weighted) – WORKS**

Worker Status, Computed	Count	Percent
Yes	264831	56.7%
No	202529	43.3%
Total	467360	100.0%

**SRPEDD-24: Employment Status, Non-workers
(Weighted) – WKSTAT**

Employment Status, Non workers	Count	Percent
Retired	74987	37.0%
Disabled/On Disability Status	40633	20.1%
Homemaker	16035	7.9%
Unemployed but looking for work	33655	16.6%
Unemployed and not looking for work	4171	2.1%
Student	30733	15.2%
Other, SPECIFY	705	0.3%
Refused	1609	0.8%
Total	202529	100.0%

**SRPEDD-25: Average Number of Jobs
(Weighted)-JOBS**

Jobs	Average
Average Number of Jobs	1.12

**SRPEDD-26: Hours Worked per Day
(Weighted) - HOURS**

Hours Worked per Day	Count	Percent
1	1023	0.4%
2	4523	1.7%
3	5554	2.1%
4	14152	5.3%
5	17196	6.5%
6	19137	7.2%
7	18820	7.1%
8	119182	45.0%
9	18634	7.0%
10	27285	10.3%
11	2229	0.8%
12	7834	3.0%
13	552	0.2%
14	1451	0.5%
15	921	0.3%
16	474	0.2%
17	262	0.1%
24	1095	0.4%
Don't Know	3898	1.5%
Refused	610	0.2%
Total	264831	100.0%

**SRPEDD-27: Respondent Average Number of
Days Worked Per Week (Weighted) – WDAY**

Days Worked Per Week	Count	Percent
1	2821	1.1%
2	10533	4.0%
3	21177	8.0%
4	27941	10.6%
5	178629	67.5%
6	16064	6.1%
7	7131	2.7%
Refused	535	0.2%
Total	264831	100.0%

**SRPEDD-28: Telecommute Status (Weighted)
- TELEW**

Worker Telecommutes	Count	Percent
Yes	33833	12.8%
No	226585	85.6%
Don't Know	3341	1.3%
Refused	1072	0.4%
Total	264831	100.0%

**SRPEDD-29: Flexible Work Program Offered
at Work (Weighted) – SCHED**

Flexible Work Program Offered at Work	Count	Percent
Yes	48247	18.2%
No	202965	76.6%
Don't Know	12830	4.8%
Refused	789	0.3%
Total	264831	100.0%

**SRPEDD-30: Type of Flexible Work Programs
Offered, Multiple Response (Weighted)-
FLEXP1, FLEXP2, FLEXP3**

Type of Flexible Work Programs Offered, Multiple Response	Count	Percent
9/80 Work Period	2493	5.1%
Early Arrival/Departure	16650	33.8%
4/40 Work Week	4297	8.7%
Flexible Hours	12855	26.1%
Other, Specify	5879	11.9%
Don't Know	5792	11.8%
Refused	1313	2.7%
Total	49278	100.0%

**SRPEDD-31: Respondent Participates in
Flexible Work Program (Weighted)-FLEXT**

Respondent Participates in Flexible Work Program	Count	Percent
Yes	39315	81.5%
No	7429	15.4%
Don't Know	1503	3.1%
Total	48247	100.0%

**SRPEDD-32: Disabled License Plate
(Weighted)- EDISA**

Disabled License Plate	Count	Percent
Yes	29573	5.5%
No	511647	94.3%
Don't Know	560	0.1%
Refused	696	0.1%
Total	542475	100.0%

**SRPEDD-33: Disabled Transit Registration
(Weighted) –EDIS2**

Disabled Transit Registration	Count	Percent
Yes	21244	3.9%
No	520043	95.9%
Don't Know	493	0.1%
Refused	696	0.1%
Total	542475	100.0%

**SRPEDD-34: Level of Education Completed
(Weighted) –EDUCA**

Level of Education Completed	Count	Percent
Not a high school graduate, 12th grade or less. (Includes very young children)	159483	27.8%
High school graduate (high school diploma or GED)	143336	25.0%
Some college credit but no degree	63504	11.1%
Associate or technical school degree	48065	8.4%
Bachelor's or undergraduate degree	98749	17.2%
Graduate Degree (includes professional degrees, MD, DDs, JD)	57924	10.1%
Other, SPECIFY	240	0.0%
Don't Know	2502	0.4%
Refused	319	0.1%
Total	574122	100.0%

**SRPEDD-35: School Enrollment Status
(Weighted)-ENROL**

School Enrollment Status	Count	Percent
Yes	159569	27.8%
No	414424	72.2%
Don't Know	130	0.0%
Total	574122	100.0%

**SRPEDD-36: Full-time / Part-time Student
Status (Weighted)-FPTIM**

Full-time / Part-time Student Status	Count	Percent
Part-time	29623	18.6%
Full-time	129946	81.4%
Total	159569	100.0%

**SRPEDD-37: Student Grade Level Attends
(Weighted)-SCHOL**

Student Grade Level	Count	Percent
Daycare	2703	1.7%
Nursery School, Preschool	7805	4.9%
Kindergarten to Grade 8	66348	41.6%
Grade 9 to 12	38483	24.1%
Technical/Vocational School	5277	3.3%
Two-year college (community college)	15622	9.8%
4-year college or university	14245	8.9%
Graduate School/Professional	8780	5.5%
Other, SPECIFY	306	0.2%
Total	159569	100.0%

SRPEDD-38: Transit Trips Made in Past Week (Weighted)- TTRIP

Transit Trips Made in Past Week	Count	Percent
0	477468	83.2%
1	8673	1.5%
2	19531	3.4%
3	3669	0.6%
4	7514	1.3%
5	5277	0.9%
6	6222	1.1%
7	1018	0.2%
8	5159	0.9%
9	305	0.1%
10	19771	3.4%
11	242	0.0%
12	2886	0.5%
14	3789	0.7%
15	361	0.1%
16	865	0.2%
18	104	0.0%
19	132	0.0%
20	1774	0.3%
25	558	0.1%
28	805	0.1%
30	799	0.1%
40	89	0.0%
50	542	0.1%
Don't Know	6192	1.1%
Refused	376	0.1%
Total	574122	100.0%

SRPEDD-39: Bike Facilities Available at Work/School (Weighted)- BIKFA

Bike Facilities Available at Work/School	Count	Percent
Yes	150960	38.3%
No	187564	47.6%
Don't Know	51080	13.0%
Refused	4350	1.1%
Total	393953	100.0%

SRPEDD-40: Days Used Bike for Recreation in Past Week (Weighted)- BIKD1

Days Used Bike for Recreation in Past Week	Count	Percent
0	262502	71.6%
1	18546	5.1%
2	16177	4.4%
3	4776	1.3%
4	2564	0.7%
5	2546	0.7%
6	298	0.1%
7	2594	0.7%
Don't Know	36023	9.8%
Refused	20453	5.6%
Total	366478	100.0%

**SRPEDD-41: Days Used Bike for
Transportation in Past Week (Weighted) –
BIKD2**

Days Used Bike for Transportation in Past Week	Count	Percent
0	291810	79.6%
1	4589	1.3%
2	4990	1.4%
3	2362	0.6%
4	1778	0.5%
5	2799	0.8%
6	0	0%
7	962	0.3%
Don't Know	36408	9.9%
Refused	20781	5.7%
Total	366478	100.0%

**SRPEDD-42: Bike Lanes/Trails Used
(Weighted) – BIKRD**

Bike Lanes/Trails Used for Non-Recreational Purposes	Count	Percent
Off-Road	33587	9.2%
On-Road	84824	23.1%
Both	72306	19.7%
Don't Know	140923	38.5%
Refused	34838	9.5%
Total	366478	100.0%

**SRPEDD-43: Internet was Used on Travel Day
in Place of Trips (Weighted)-INUSE**

Internet was used on Travel Day in Place of Trips	Count	Percent
Yes	19462	3.4%
No	525803	91.6%
Don't Know	27763	4.8%
Refused	1094	0.2%
Total	574122	100.0%

**SRPEDD-44: Reason for Non-Travel
(Weighted)-NOGO**

Reason for Non-Travel	Count	Percent
Personally Sick	17745	18.8%
Caretaking Sick Kids	1170	1.2%
Caretaking Sick Other	189	0.2%
Homebound Elderly or Disabled	12467	13.2%
Worked at Home for Pay	2564	2.7%
Worked Around Home (Not for Pay)	30268	32.1%
Out of Area	5348	5.7%
Other, SPECIFY	24571	26.1%
Total	94321	100.0%

Vehicle Characteristics

SRPEDD-45: Vehicle Year (Weighted) – YEAR

Vehicle Year	Count	Percent
1964 or older	1978	0.5%
1965-1979	3763	1.0%
1980-1989	7860	2.0%
1990-1999	85718	22.3%
2000-2003	103535	26.9%
2004-2006	85475	22.2%
2007	26654	6.9%
2008	21377	5.6%
2009	21607	5.6%
2010	21726	5.7%
2011	4820	1.3%
Total	384512	100.0%

SRPEDD-46: Vehicle Make (Weighted) – MAKE

Vehicle Make	Count	Percent
Acura	2291	0.6%
Audi	2307	0.6%
BMW	3805	1.0%
Buick	7955	2.0%
Cadillac	1973	0.5%
Chevrolet	39184	10.0%
Chrysler	9222	2.3%
Dodge	22730	5.8%
Ford	50279	12.8%
Geo	552	0.1%
GMC	10846	2.8%
Harley Davidson	4778	1.2%
Honda	35134	8.9%
Hummer	325	0.1%
Hyundai	13052	3.3%
Infiniti	1477	0.4%
Isuzu	240	0.1%
Jaguar	355	0.1%
Jeep	10767	2.7%
Kawasaki	699	0.2%
Kia	4475	1.1%
Lexus	3526	0.9%
Lincoln	2499	0.6%
Mazda	7490	1.9%

Vehicle Make	Count	Percent
Mercedes	3262	0.8%
Mercury	6198	1.6%
Mitsubishi	3742	1.0%
Nissan	20735	5.3%
Oldsmobile	1509	0.4%
Plymouth	1900	0.5%
Pontiac	6397	1.6%
Porsche	655	0.2%
Range Rover	169	0.0%
Saab	2176	0.6%
Saturn	11086	2.8%
Scion	187	0.0%
Subaru	8779	2.2%
Suzuki	1883	0.5%
Toyota	62559	15.9%
Volkswagen	7976	2.0%
Volvo	10058	2.6%
Yamaha	1469	0.4%
Other, SPECIFY	5134	1.3%
Don't Know	1156	0.3%
Refused	201	0.1%
Total	393191	100.0%

**SRPEDD-47: Vehicle Body Type (Weighted) –
BODY**

Vehicle Body Type	Count	Percent
Car/Station Wagon	193710	49.3%
Van (any type)	32077	8.2%
SUV	81754	20.8%
Pickup Truck	51045	13.0%
Other type of truck	841	0.2%
RV	1141	0.3%
Motorcycle	9957	2.5%
Other, SPECIFY	818	0.2%
Refused	21849	5.6%
Total	393191	100.0%

**SRPEDD-48: Vehicle Fuel Type (Weighted) -
FUEL**

Vehicle Fuel Type	Count	Percent
Gas	381947	97.1%
Diesel	6425	1.6%
Hybrid	3730	0.9%
Flex Fuel	920	0.2%
Don't Know	169	0.0%
Total	393191	100.0%

Place Characteristics

SRPEDD-49: Primary Trip Purpose (Weighted) – TPURP

Primary Trip Purpose	Count	Percent
All other home activities	1206393	45.6%
Work/Job	203454	7.7%
Routine shopping (groceries, clothing, convenience store, HH maintenance)	194736	7.4%
Changed type of transportation	182549	6.9%
Visit friends/relatives	96967	3.7%
Eat meal outside of home	95177	3.6%
Attending Class	89707	3.4%
Household errands (bank, dry cleaning, etc.)	77356	2.9%
Drop off passenger from car	69176	2.6%
Pick up passenger from car	68494	2.6%
Work Business Related	61521	2.3%
Personal business (visit government office, attorney, accountant)	60003	2.3%
Indoor recreation/entertainment	55281	2.1%
Health care (doctor, dentist)	53448	2.0%
Outdoor recreation/entertainment	35454	1.3%
Service private vehicle (gas, oil lube, etc.)	31957	1.2%
Shopping for major purchases or specialty items (appliance, electronics, new vehicle, major HH repairs)	15960	0.6%
Working at home (for pay)	14552	0.5%
Civic/Religious activities	11358	0.4%
All other School Activities	8826	0.3%
Loop trip	7873	0.3%
All other activities at work	5836	0.2%
Other, SPECIFY	1289	0.0%
Volunteer Work/Activities	97	0.0%
While Traveling -- Other, Specify	0	0.0%
Total	2647465	100.0%

SRPEDD-50: Total People Traveling in Travel Party, Including Respondent (Weighted) – TOTTR

Total People Traveling	Count	Percent
1 person	1125565	56.8%
2 persons	523024	26.4%
3 persons	223793	11.3%
4 persons	58089	2.9%
5 persons	52009	2.6%
Total	1982480	100.0%

SRPEDD-51: Parking Location (Weighted) – PRKTY

Parking Location	Count	Percent
Parking Lot	760420	46.8%
Parking Garage	16193	1.0%
Street	150274	9.2%
Driveway/personal garage	547657	33.7%
Did not park	134996	8.3%
Other, SPECIFY	4944	0.3%
Don't Know	8454	0.5%
Refused	2216	0.1%

SRPEDD-52: Paid to Park (Weighted) – PRKCS

Paid to Park	Count	Percent
Did not Pay	1476039	90.8%
Did Pay, record amount	13121	0.8%
Don't Know	3379	0.2%
Refused	132616	8.2%
Total	1625154	100.0%

**SRPEDD-53: How Parking Fare was Paid
(Weighted) – PRKHW**

How Parking Fare was Paid	Count	Percent
Cash/Credit/Debit Card	11469	87.4%
Per-Paid parking Pass	1100	8.4%
Employer-Provided Parking Pass	551	4.2%
Total	13121	100.0%

**SRPEDD-54: Toll Road Used on Trip
(Weighted) – TOLL (Use a Toll road)?**

Use a Toll Road	Count	Percent
Yes	3876	0.2%
No	1581403	97.3%
Don't Know	38537	2.4%
Refused	1339	0.1%
Total	1625154	100.0%

SRPEDD-55: Toll Road Used (Weighted) – TOLLT (Which Toll road was used)?

Which Toll Road was Used	Count	Percent
Turnpike	3439	88.7%
Ted Williams Tunnel	146	3.8%
Sumner Tunnel	291	7.5%
Total	3876	100.0%

Travel Behavior

SRPEDD-56: Average Household and Person Trip Rates (Weighted)

	Average Trip Rate
Household	10.6
Person	4.1

SRPEDD-57: Trip Rates by Household Size (Weighted)

Household Size	Trip Rate
1	4.5
2	8.3
3	13.6
4	17.5
5	22.2
6	26.6
7	24.8
8 or more	29.8
Total	10.6

SRPEDD-58: Trip Rates by Number of Household Workers (Weighted)

Household Workers	Trip Rate
0	6.6
1	9.7
2	13.1
3	16.8
4	22.0
5	27.2
6	22.7
Total	10.6

SRPEDD-59: Trip Rates by Household Income (Weighted)

Household Income	Trip Rate
Less than \$15,000	8.3
\$15,000-\$24,999	9.2
\$25,000-\$34,999	8.4
\$35,000-\$49,999	9.4
\$50,000-\$74,999	10.2
\$75,000-\$99,999	11.4
\$100,000-\$149,999	13.2
\$150,000 or more	13.3
Don't Know/Refused	9.8
Total	10.6

SRPEDD-60: All Trip Modes (Weighted)

Transportation Mode	Count	Percent
Walk	255596	12.3%
Bike	8828	0.4%
Auto/Van/Truck Driver	1208156	58.3%
Auto/Van/Truck Passenger	415249	20.0%
Public Bus	60654	2.9%
Train	23671	1.1%
Ferry/boat	1515	0.1%
Dial-A-Ride/Paratransit	2937	0.1%
Taxi	15319	0.7%
School bus	75543	3.6%
Motorcycle Driver	1749	0.1%
Other, SPECIFY	4125	0.2%
Total	2073343	100.0%

SRPEDD-61: Mode to Work (Weighted)

Mode to Work	Count	Percent
Works from home	15066	5.7%
Walk	3857	1.5%
Bike	235	0.1%
Auto/Van/Truck Driver	214326	80.9%
Auto/Van/Truck Passenger	15112	5.7%
Bus / Public Transit	10575	4.0%
Dial-A-Ride/Paratransit	234	0.1%
Taxi	438	0.2%
Other, SPECIFY	3793	1.4%
Don't Know	780	0.3%
Refused	417	0.2%
Total	264831	100.0%

SRPEDD-62: Mode to School (Weighted)

Mode to School	Count	Percent
Home schooled	4739	3.0%
Walk	12964	8.1%
Bike	612	0.4%
Auto/Van/Truck Driver	30810	19.3%
Auto/Van/Truck Passenger	39022	24.5%
Bus / Public Transit	7618	4.8%
Dial-A-Ride/Paratransit	123	0.1%
School Bus	59973	37.6%
Other, SPECIFY	1533	1.0%
Don't Know	2175	1.4%
Total	159569	100.0%

Survey Results for Pioneer Valley MPO (PVPC)

Household Characteristics

PVPC-1: Household Size (Weighted) – HHSIZ

Household Size	Count	Percent
1	70763	29.9%
2	78501	33.2%
3	36836	15.6%
4	35826	15.2%
5	9826	4.2%
6	3046	1.3%
7	1398	0.6%
8 or More	140	0.1%
Total	236337	100.0%

PVPC-2: Transit Used on Regular Basis (Weighted) –RIBUS

Transit Used on Regular Basis	Count	Percent
Yes	38743	16.4%
No	197326	83.5%
Don't Know	268	0.1%
Total	236337	100.0%

PVPC-3: Household Bicycles (Weighted) – HHBIC

Household Bicycles	Count	Percent
0	95131	40.3%
1	40011	16.9%
2	45279	19.2%
3	23129	9.8%
4	17851	7.6%
5	8318	3.5%
6	4114	1.7%
7	950	0.4%
8	1431	0.6%
Don't Know	123	0.1%
Total	236337	100.0%

PVPC-4: Household Number of Vehicles (Weighted)-HHVEH

Household Vehicles	Count	Percent
0	30459	12.9%
1	85891	36.3%
2	84407	35.7%
3	22615	9.6%
4	8796	3.7%
5	2750	1.2%
6	913	0.4%
7	412	0.2%
8 or More	93	0.0%
Total	236337	100.0%

**PVPC-5: Household Ethnicity (Weighted)-
RACE**

Household Ethnicity	Count	Percent
White Alone	196969	83.3%
Black or African American Alone	12371	5.2%
American Indian or Alaskan Native Alone	87	0.0%
Asian Alone	2208	0.9%
Some Other Race Alone	16785	7.1%
Two or More Races	5919	2.5%
Refused	1997	0.8%
Total	236337	100.0%

**PVPC-6: Hispanic or Latino Households
(Weighted) – HISP**

Hispanic or Latino Household	Count	Percent
Yes	24952	10.6%
No	210020	88.9%
Refused	1365	0.6%
Total	236337	100.0%

**PVPC-7: Household Residence Type
(Weighted)-RESTY**

Household Residence Type	Count	Percent
Single Family Detached Dwelling	159716	67.6%
Building with 2-4 Units	42866	18.1%
Building with 5-19 Units	16425	6.9%
Building with 20 or More Units	15573	6.6%
or Something Else?	817	0.3%
Don't Know	421	0.2%
Refused	518	0.2%
Total	236337	100.0%

**PVPC-8: Ownership of Household Residence
(Weighted) – OWN**

Home Ownership	Count	Percent
Own/Mortgaged	169451	71.7%
Renter	66277	28.0%
Other, Specify	332	0.1%
Don't Know	277	0.1%
Total	236337	100.0%

**PVPC-9: Cell phone lines in Household
(Weighted) – CPLNS**

Cell Phones in Household	Count	Percent
0	26395	11.2%
1	83166	35.2%
2	80136	33.9%
3	25578	10.8%
4	16594	7.0%
5	2946	1.2%
6	801	0.3%
7	118	0.0%
8	233	0.1%
Refused	370	0.2%
Total	236337	100.0%

**PVPC-10: Landlines in Household
(Weighted)-PHLNS**

Landlines in Household	Count	Percent
0	1326	1.1%
1	113803	92.9%
2	6124	5.0%
3	1285	1.0%
Total	122538	100.0%

**PVPC-11: Fax Lines in Household (Weighted)
– FXLNS**

Fax Lines in Household	Count	Percent
0	8882	62.7%
1	4759	33.6%
2	103	0.7%
Don't Know	429	3.0%
Total	14172	100.0%

**PVPC-12: Household Income (Weighted) –
INCOME**

Household Income	Count	Percent
Less than \$15,000	38505	16.3%
\$15,000-\$24,999	24499	10.4%
\$25,000-\$34,999	20766	8.8%
\$35,000-\$49,999	34485	14.6%
\$50,000-\$74,999	45036	19.1%
\$75,000-\$99,999	30522	12.9%
\$100,000-\$149,999	18515	7.8%
\$150,000 or more	13407	5.7%
Don't Know/Refused	10602	4.5%
Total	236337	100.0%

PVPC-13: Trips Made by Household on Travel Day (Weighted) – HTRIPS

Trips Made by Household on Travel Day	Count	Percent
None	11824	5.0%
1 to 5	75176	31.8%
6 to 10	69556	29.4%
11 to 15	37080	15.7%
16 to 20	21830	9.2%
21 to 30	16482	7.0%
31 to 50	4253	1.8%
50+	135	0.1%
Total	236337	100.0%

PVPC-14: Household Students (Weighted) – HHSTU

Household Students	Count	Percent
0	151347	64.0%
1	39355	16.7%
2	30774	13.0%
3	11482	4.9%
4	1960	0.8%
5	1058	0.4%
6	360	0.2%
Total	236337	100.0%

PVPC-15: Household Workers (Weighted) – HHWRK

Household Workers	Count	Percent
0	72162	30.5%
1	82164	34.8%
2	65535	27.7%
3	13030	5.5%
4	2660	1.1%
5	693	0.3%
6	93	0.0%
Total	236337	100.0%

PVPC-16: Licensed Drivers in Household (Weighted) –HHLIC

Licensed Drivers in Household	Count	Percent
0	20293	8.6%
1	82103	34.7%
2	106720	45.2%
3	21253	9.0%
4	4937	2.1%
5	847	0.4%
6	185	0.1%
Total	236337	100.0%

PVPC-17: Distribution of Households by Day of Week of Travel (Weighted) – DAY

Day of Week of Travel	Count	Percent
Monday	48374	20.5%
Tuesday	46938	19.9%
Wednesday	48457	20.5%
Thursday	45042	19.1%
Friday	47526	20.1%
Total	236337	100.0%

Person Characteristics

PVPC-18: Respondent Gender (Weighted) – GEND

Respondent Gender	Count	Percent
Male	281423	46.3%
Female	325486	53.6%
Refused	354	0.1%
Total	607263	100.0%

PVPC-19: Age Distribution (Weighted) –AGE

Age Distribution	Count	Percent
Younger than 20	147800	24.3%
20 to 34 years	113807	18.7%
35 to 54 years	177729	29.3%
55 to 64 years	66493	10.9%
65 years or older	89274	14.7%
Refused Age	12160	2.0%
Total	607263	100.0%

PVPC-20: Valid Driver's License (Weighted)- LIC

Valid Driver's License	Count	Percent
Yes	399552	81.8%
No	88833	18.2%
Refused	94	0.0%
Total	488478	100.0%

PVPC-21: Respondent has Transit Pass (Weighted) – TRANS

Respondent has Transit Pass	Count	Percent
Yes	39862	8.2%
No	446286	91.4%
Don't Know	2236	0.5%
Refused	94	0.0%
Total	488478	100.0%

**PVPC-22: Transit Pass Type (Weighted)-
PASST1, PASST2, PASST3**

Transit Pass Type, Multiple Response	Count	Percent
Local Bus Pass	17176	43.1%
Link Pass	1276	3.2%
Commuter Rail Pass	488	1.2%
Charlie Card	4827	12.1%
Other, specify	10802	27.1%
Don't Know	3885	9.7%
Refused	1408	3.5%
Total	39862	100.0%

**PVPC-23: Worker Status, Computed
(Weighted) – WORKS**

Worker Status, Computed	Count	Percent
Yes	279701	57.3%
No	208777	42.7%
Total	488478	100.0%

**PVPC-24: Employment Status, Non-workers
(Weighted) – WKSTAT**

Employment Status, Non workers	Count	Percent
Retired	77291	37.0%
Disabled/On Disability Status	48784	23.4%
Homemaker	24052	11.5%
Unemployed but looking for work	22211	10.6%
Unemployed and not looking for work	4217	2.0%
Student	30780	14.7%
Other, SPECIFY	800	0.4%
Refused	642	0.3%
Total	208777	100.0%

**PVPC-25: Average Number of Jobs
(Weighted)-JOBS**

Jobs	Average
Average Number of Jobs	1.46

**PVPC-26: Hours Worked per Day (Weighted)
- HOURS**

Hours Worked per Day	Count	Percent
1	1392	0.5%
2	3528	1.3%
3	6685	2.4%
4	20051	7.2%
5	17760	6.3%
6	22877	8.2%
7	22189	7.9%
8	116220	41.6%
9	27027	9.7%
10	21211	7.6%
11	2911	1.0%
12	10747	3.8%
13	351	0.1%
14	420	0.2%
15	501	0.2%
16	566	0.2%
20	298	0.1%
24	689	0.2%
Don't Know	3473	1.2%
Refused	804	0.3%
Total	279701	100.0%

**PVPC-27: Respondent Average Number of
Days Worked Per Week (Weighted) – WDAY**

Days Worked Per Week	Count	Percent
1	4910	1.8%
2	9422	3.4%
3	20515	7.3%
4	28624	10.2%
5	184868	66.1%
6	21933	7.8%
7	8682	3.1%
Don't Know	600	0.2%
Refused	147	0.1%
Total	279701	100.0%

**PVPC-28: Telecommute Status (Weighted) -
TELEW**

Worker Telecommutes	Count	Percent
Yes	45485	16.3%
No	231256	82.7%
Don't Know	2866	1.0%
Refused	95	0.0%
Total	279701	100.0%

**PVPC-29: Flexible Work Program Offered at
Work (Weighted) – SCHED**

Flexible Work Program Offered at Work	Count	Percent
Yes	56056	20.0%
No	211904	75.8%
Don't Know	11402	4.1%
Refused	340	0.1%
Total	279701	100.0%

PVPC-30: Type of Flexible Work Programs Offered, Multiple Response (Weighted)- FLEXP1, FLEXP2, FLEXP3

Type of Flexible Work Programs Offered, Multiple Response	Count	Percent
9/80 Work Period	2601	4.5%
Early Arrival/Departure	20033	34.4%
4/40 Work Week	4528	7.8%
Flexible Hours	13007	22.3%
Other, Specify	9839	16.9%
Don't Know	6178	10.6%
Refused	2076	3.6%
Total	58263	100.0%

PVPC-31: Respondent Participates in Flexible Work Program (Weighted)-FLEXT

Respondent Participates in Flexible Work Program	Count	Percent
Yes	48500	86.5%
No	5729	10.2%
Don't Know	1827	3.3%
Total	56056	100.0%

PVPC-32: Disabled License Plate (Weighted)- EDISA

Disabled License Plate	Count	Percent
Yes	39308	6.9%
No	529217	92.7%
Don't Know	1716	0.3%
Refused	800	0.1%
Total	571042	100.0%

PVPC-33: Disabled Transit Registration (Weighted) –EDIS2

Disabled Transit Registration	Count	Percent
Yes	24107	4.2%
No	544800	95.4%
Don't Know	1335	0.2%
Refused	800	0.1%
Total	571042	100.0%

**PVPC-34: Level of Education Completed
(Weighted) –EDUCA**

Level of Education Completed	Count	Percent
Not a high school graduate, 12th grade or less. (Includes very young children)	172531	28.4%
High school graduate (high school diploma or GED)	122626	20.2%
Some college credit but no degree	63321	10.4%
Associate or technical school degree	48246	7.9%
Bachelor's or undergraduate degree	95824	15.8%
Graduate Degree (includes professional degrees, MD, DDs, JD)	101220	16.7%
Don't Know	2966	0.5%
Refused	528	0.1%
Total	607263	100.0%

**PVPC-35: School Enrollment Status
(Weighted)-ENROL**

School Enrollment Status	Count	Percent
Yes	175107	28.8%
No	431837	71.1%
Don't Know	135	0.0%
Refused	184	0.0%
Total	607263	100.0%

**PVPC-36: Full-time / Part-time Student Status
(Weighted)-FPTIM**

Full-time / Part-time Student Status	Count	Percent
Part-time	41121	23.5%
Full-time	133756	76.4%
Don't Know	230	0.1%
Total	175107	100.0%

**PVPC-37: Student Grade Level Attends
(Weighted)-SCHOL**

Student Grade Level	Count	Percent
Daycare	6846	3.9%
Nursery School, Preschool	9179	5.2%
Kindergarten to Grade 8	76056	43.4%
Grade 9 to 12	34709	19.8%
Technical/Vocational School	3722	2.1%
Two-year college (community college)	16823	9.6%
4-year college or university	17245	9.8%
Graduate School/Professional	10256	5.9%
Other, SPECIFY	131	0.1%
Don't Know/Refused	139	0.1%
Total	175107	100.0%

**PVPC-38: Transit Trips Made in Past Week
(Weighted)- TTRIP**

Transit Trips Made in Past Week	Count	Percent
0	498010	82.0%
1	11562	1.9%
2	20329	3.3%
3	10675	1.8%
4	7908	1.3%
5	6081	1.0%
6	7410	1.2%
7	2879	0.5%
8	3936	0.6%
9	428	0.1%
10	17527	2.9%
11	222	0.0%
12	1486	0.2%
13	506	0.1%
14	6033	1.0%
15	895	0.1%
16	1553	0.3%
18	52	0.0%
20	294	0.0%
21	173	0.0%
25	523	0.1%
30	521	0.1%
34	152	0.0%
35	148	0.0%
75	162	0.0%
87	81	0.0%
Don't Know	7625	1.3%
Refused	94	0.0%
Total	607263	100.0%

**PVPC-39: Bike Facilities Available at
Work/School (Weighted)- BIKFA**

Bike Facilities Available at Work/School	Count	Percent
Yes	188971	45.3%
No	175555	42.1%
Don't Know	46610	11.2%
Refused	6012	1.4%
Total	417149	100.0%

**PVPC-40: Days Used Bike for Recreation in
Past Week (Weighted)- BIKD1**

Days Used Bike for Recreation in Past Week	Count	Percent
0	269834	63.7%
1	24927	5.9%
2	23185	5.5%
3	14037	3.3%
4	6626	1.6%
5	5112	1.2%
6	1171	0.3%
7	3723	0.9%
Don't Know	45255	10.7%
Refused	29514	7.0%
Total	423385	100.0%

**PVPC-41: Days Used Bike for Transportation
in Past Week (Weighted) – BIKD2**

Days Used Bike for Transportation in Past Week	Count	Percent
0	313918	74.1%
1	7617	1.8%
2	8609	2.0%
3	3400	0.8%
4	4208	1.0%
5	3875	0.9%
6	1708	0.4%
7	1968	0.5%
Don't Know	48829	11.5%
Refused	29252	6.9%
Total	423385	100.0%

**PVPC-42: Bike Lanes/Trails Used (Weighted)
– BIKRD**

Bike Lanes/Trails Used for Non-Recreational Purposes	Count	Percent
Off-Road	59118	14.0%
On-Road	79614	18.8%
Both	104477	24.7%
Don't Know	134142	31.7%
Refused	46034	10.9%
Total	423385	100.0%

**PVPC-43: Internet was Used on Travel Day in
Place of Trips (Weighted)-INUSE**

Internet was used on Travel Day in Place of Trips	Count	Percent
Yes	24468	4.0%
No	552375	91.0%
Don't Know	27706	4.6%
Refused	2714	0.4%
Total	607263	100.0%

**PVPC-44: Reason for Non-Travel (Weighted)-
NOGO**

Reason for Non-Travel	Count	Percent
Personally Sick	10135	12.5%
Caretaking Sick Kids	125	0.2%
Caretaking Sick Other	1065	1.3%
Homebound Elderly or Disabled	12008	14.8%
Worked at Home for Pay	3375	4.2%
Worked Around Home (Not for Pay)	27842	34.3%
Out of Area	2440	3.0%
Other, SPECIFY	24125	29.7%
Total	81115	100.0%

Vehicle Characteristics

PVPC-45: Vehicle Year (Weighted) – YEAR

Vehicle Year	Count	Percent
1964 or older	746	0.2%
1965-1979	3681	1.0%
1980-1989	7061	1.9%
1990-1999	79180	21.3%
2000-2003	96310	26.0%
2004-2006	93566	25.2%
2007	26012	7.0%
2008	21934	5.9%
2009	18489	5.0%
2010	20495	5.5%
2011	3607	1.0%
Total	371081	100.0%

PVPC-46: Vehicle Make (Weighted) – MAKE

Vehicle Make	Count	Percent
Acura	1931	0.5%
Audi	1801	0.5%
BMW	4029	1.1%
Buick	10638	2.8%
Cadillac	3511	0.9%
Chevrolet	36545	9.6%
Chrysler	8892	2.3%
Dodge	23514	6.2%
Ford	39210	10.3%
Geo	629	0.2%
GMC	4475	1.2%
Harley Davidson	3929	1.0%
Honda	49290	13.0%
Hyundai	16514	4.3%
Infiniti	969	0.3%
Isuzu	96	0.0%
Jaguar	85	0.0%
Jeep	12250	3.2%
Kawasaki	1469	0.4%
Kia	2226	0.6%
Lexus	2432	0.6%
Lincoln	2252	0.6%
Mazda	5964	1.6%
Mercedes	1534	0.4%
Mercury	4531	1.2%

Vehicle Make	Count	Percent
Mitsubishi	2136	0.6%
Nissan	20017	5.3%
Oldsmobile	2771	0.7%
Plymouth	2444	0.6%
Pontiac	7886	2.1%
Porsche	280	0.1%
Range Rover	65	0.0%
Saab	1626	0.4%
Saturn	6561	1.7%
Scion	684	0.2%
Subaru	17790	4.7%
Suzuki	1024	0.3%
Toyota	53480	14.1%
Volkswagen	8192	2.2%
Volvo	6494	1.7%
Yamaha	1797	0.5%
Other, SPECIFY	4330	1.1%
Don't Know	1493	0.4%
Refused	2808	0.7%
Total	380592	100.0%

**PVPC-47: Vehicle Body Type (Weighted) –
BODY**

Vehicle Body Type	Count	Percent
Car/Station Wagon	195757	51.4%
Van (any type)	34651	9.1%
SUV	79434	20.9%
Pickup Truck	39218	10.3%
Other type of truck	742	0.2%
RV	440	0.1%
Motorcycle	8485	2.2%
Other, SPECIFY	511	0.1%
Refused	21353	5.6%
Total	380592	100.0%

**PVPC-48: Vehicle Fuel Type (Weighted) -
FUEL**

Vehicle Fuel Type	Count	Percent
Gas	365043	95.9%
Diesel	4205	1.1%
Hybrid	7716	2.0%
Flex Fuel	1211	0.3%
Other, SPECIFY	803	0.2%
Don't Know	134	0.0%
Refused	1480	0.4%
Total	380592	100.0%

Place Characteristics

PVPC-49: Primary Trip Purpose (Weighted) – TPURP

Primary Trip Purpose	Count	Percent
All other home activities	1347859	45.3%
Routine shopping (groceries, clothing, convenience store, HH maintenance)	224937	7.6%
Work/Job	217829	7.3%
Changed type of transportation	173929	5.8%
Visit friends/relatives	102281	3.4%
Eat meal outside of home	96901	3.3%
Drop off passenger from car	96245	3.2%
Attending Class	93022	3.1%
Pick up passenger from car	86881	2.9%
Household errands (bank, dry cleaning, etc.)	80494	2.7%
Work Business Related	72342	2.4%
Outdoor recreation/entertainment	66402	2.2%
Personal business (visit government office, attorney, accountant)	65137	2.2%
Health care (doctor, dentist)	63334	2.1%
Indoor recreation/entertainment	62312	2.1%
Service private vehicle (gas, oil lube, etc.)	31030	1.0%
Civic/Religious activities	29006	1.0%
Working at home (for pay)	19926	0.7%
Shopping for major purchases or specialty items (appliance, electronics, new vehicle, major HH repairs)	17242	0.6%
All other School Activities	10515	0.4%
All other activities at work	9195	0.3%
Loop trip	5097	0.2%
Other, SPECIFY	1212	0.0%
Volunteer Work/Activities	567	0.0%
While Traveling -- Other, Specify	0	0.0%
Total	2973695	100.0%

PVPC-50: Total People Traveling in Travel Party, Including Respondent (Weighted) – TOTTR

Total People Traveling	Count	Percent
1 person	1184590	51.5%
2 persons	677414	29.4%
3 persons	277001	12.0%
4 persons	104867	4.6%
5 persons	56579	2.5%
Total	2300452	100.0%

PVPC-51: Parking Location (Weighted) – PRKTY

Parking Location	Count	Percent
Parking Lot	885196	47.7%
Parking Garage	19814	1.1%
Street	156909	8.4%
Driveway/personal garage	626107	33.7%
Did not park	146248	7.9%
Other, SPECIFY	8069	0.4%
Don't Know	12485	0.7%
Refused	2808	0.2%
Total	1857637	100.0%

PVPC-52: Paid to Park (Weighted) – PRKCS

Paid to Park	Count	Percent
Did not Pay	1682012	90.5%
Did Pay, record amount	21197	1.1%
Don't Know	8196	0.4%
Refused	146232	7.9%
Total	1857637	100.0%

PVPC-53: How Parking Fare was Paid (Weighted) – PRKHW

How Parking Fare was Paid	Count	Percent
Cash/Credit/Debit Card	17566	82.9%
Per-Paid parking Pass	2739	12.9%
Employer-Provided Parking Pass	892	4.2%
Total	21197	100.0%

PVPC-54: Toll Road Used on Trip (Weighted) – TOLL (Use a Toll road)?

Use a Toll Road	Count	Percent
Yes	34428	1.9%
No	1771652	95.4%
Don't Know	49062	2.6%
Refused	2495	0.1%
Total	1857637	100.0%

PVPC-55: Toll Road Used (Weighted) – TOLLT (Which Toll road was used)?

Which Toll Road was Used	Count	Percent
Turnpike	34367	99.8%
Ted Williams Tunnel	61	0.2%
Total	34428	100.0%

Travel Behavior

PVPC-56: Average Household and Person Trip Rates (Weighted)

	Average Trip Rate
Household	10.6
Person	4.1

PVPC-57: Trip Rates by Household Size (Weighted)

Household Size	Trip Rate
1	4.5
2	8.3
3	13.6
4	17.5
5	22.2
6	26.6
7	24.8
8 or more	29.8
Total	10.6

PVPC-58: Trip Rates by Number of Household Workers (Weighted)

Household Workers	Trip Rate
0	6.6
1	9.7
2	13.1
3	16.8
4	22.0
5	27.2
6	22.7
Total	10.6

PVPC-59: Trip Rates by Household Income (Weighted)

Household Income	Trip Rate
Less than \$15,000	8.3
\$15,000-\$24,999	9.2
\$25,000-\$34,999	8.4
\$35,000-\$49,999	9.4
\$50,000-\$74,999	10.2
\$75,000-\$99,999	11.4
\$100,000-\$149,999	13.2
\$150,000 or more	13.3
Don't Know/Refused	9.8
Total	10.6

PVPC-60: All Trip Modes (Weighted)

Transportation Mode	Count	Percent
Walk	321837	13.6%
Bike	29757	1.3%
Auto/Van/Truck Driver	1295841	54.8%
Auto/Van/Truck Passenger	558839	23.6%
Public Bus	75832	3.2%
Train	3525	0.1%
Dial-A-Ride/Paratransit	8062	0.3%
Taxi	5094	0.2%
School bus	60887	2.6%
Motorcycle Driver	2280	0.1%
Motorcycle Passenger	678	0.0%
Other, SPECIFY	3802	0.2%
Total	2366432	100.0%

PVPC-61: Mode to Work (Weighted)

Mode to Work	Count	Percent
Works from home	15493	5.5%
Walk	12485	4.5%
Bike	3726	1.3%
Auto/Van/Truck Driver	211362	75.6%
Auto/Van/Truck Passenger	20511	7.3%
Bus / Public Transit	10716	3.8%
Dial-A-Ride/Paratransit	644	0.2%
Motorcycle Driver	159	0.1%
Other, SPECIFY	2857	1.0%
Don't Know	1067	0.4%
Refused	682	0.2%
Total	279701	100.0%

PVPC-62: Mode to School (Weighted)

Mode to School	Count	Percent
Home schooled	5966	3.4%
Walk	18733	10.7%
Bike	3332	1.9%
Auto/Van/Truck Driver	30094	17.2%
Auto/Van/Truck Passenger	53940	30.8%
Bus / Public Transit	8625	4.9%
Dial-A-Ride/Paratransit	548	0.3%
School Bus	49247	28.1%
Other, SPECIFY	2706	1.5%
Don't Know	1823	1.0%
Refused	94	0.1%
Total	175107	100.0%

Survey Results for Central Massachusetts MPO (CMRPC)

Household Characteristics

CMRPC-1: Household Size (Weighted) – HHSIZ

Household Size	Count	Percent
1	54464	25.6%
2	66378	31.2%
3	32983	15.5%
4	39371	18.5%
5	14767	6.9%
6	4236	2.0%
7	130	0.1%
8 or More	397	0.2%
Total	212727	100.0%

CMRPC-2: Transit Used on Regular Basis (Weighted) –RIBUS

Transit Used on Regular Basis	Count	Percent
Yes	29822	14.0%
No	182905	86.0%
Total	212727	100.0%

CMRPC-3: Household Bicycles (Weighted) – HHBIC

Household Bicycles	Count	Percent
0	99100	46.6%
1	28096	13.2%
2	35118	16.5%
3	18302	8.6%
4	17084	8.0%
5	8006	3.8%
6	3594	1.7%
7	1643	0.8%
8	1218	0.6%
Don't Know	567	0.3%
Total	212727	100.0%

CMRPC-4: Household Number of Vehicles (Weighted)-HHVEH

Household Vehicles	Count	Percent
0	21392	10.1%
1	68842	32.4%
2	83187	39.1%
3	25978	12.2%
4	8484	4.0%
5	2728	1.3%
6	1712	0.8%
8 or More	405	0.2%
Total	212727	100.0%

**CMRPC-5: Household Ethnicity (Weighted)-
RACE**

Household Ethnicity	Count	Percent
White Alone	182372	85.7%
Black or African American Alone	5944	2.8%
American Indian or Alaskan Native Alone	1292	0.6%
Asian Alone	3938	1.9%
Some Other Race Alone	9331	4.4%
Two or More Races	5358	2.5%
Refused	4492	2.1%
Total	212727	100.0%

**CMRPC-6: Hispanic or Latino Households
(Weighted) – HISP**

Hispanic or Latino Household	Count	Percent
Yes	11645	5.5%
No	199658	93.9%
RF	1424	0.7%
Total	212727	100.0%

**CMRPC-7: Household Residence Type
(Weighted)-RESTY**

Household Residence Type	Count	Percent
Single Family Detached Dwelling	141402	66.5%
Building with 2-4 Units	41670	19.6%
Building with 5-19 Units	17192	8.1%
Building with 20 or More Units	11981	5.6%
RF	483	0.2%
Total	212727	100.0%

**CMRPC-8: Ownership of Household
Residence (Weighted) – OWN**

Home Ownership	Count	Percent
Own/Mortgaged	154871	72.8%
Renter	57644	27.1%
Other, Specify	213	0.1%
Total	212727	100.0%

**CMRPC-9: Cell phone lines in Household
(Weighted) – CPLNS**

Cell Phones in Household	Count	Percent
0	22545	10.6%
1	61007	28.7%
2	77770	36.6%
3	28091	13.2%
4	17068	8.0%
5	3930	1.8%
6	1455	0.7%
7	183	0.1%
Don't Know	678	0.3%
Total	212727	100.0%

**CMRPC-10: Landlines in Household
(Weighted)-PHLNS**

Landlines in Household	Count	Percent
0	1244	0.6%
1	197662	92.9%
2	10758	5.1%
3	2381	1.1%
4	181	0.1%
5	248	0.1%
Don't Know	253	0.1%
Total	212727	100.0%

**CMRPC-11: Fax Lines in Household
(Weighted) – FXLNS**

Fax Lines in Household	Count	Percent
0	7383	53.4%
1	6065	43.9%
2	374	2.7%
Total	13821	100.0%

**CMRPC-12: Household Income (Weighted) –
INCOME**

Household Income	Count	Percent
Less than \$15,000	26570	12.5%
\$15,000-\$24,999	19385	9.1%
\$25,000-\$34,999	18150	8.5%
\$35,000-\$49,999	20415	9.6%
\$50,000-\$74,999	34498	16.2%
\$75,000-\$99,999	35708	16.8%
\$100,000-\$149,999	25559	12.0%
\$150,000 or more	20671	9.7%
Don't Know/Refused	11769	5.5%
Total	212727	100.0%

**CMRPC-13: Trips Made by Household on
Travel Day (Weighted) – HTRIPS**

Trips Made by Household on Travel Day	Count	Percent
None	10559	5.0%
1 to 5	69094	32.5%
6 to 10	62013	29.2%
11 to 15	29300	13.8%
16 to 20	20696	9.7%
21 to 30	16753	7.9%
31 to 50	3730	1.8%
50+	581	0.3%
Total	212727	100.0%

**CMRPC-14: Household Students (Weighted)
– HHSTU**

Household Students	Count	Percent
0	127246	59.8%
1	34254	16.1%
2	33717	15.8%
3	13543	6.4%
4	3177	1.5%
5	791	0.4%
Total	212727	100.0%

**CMRPC-15: Household Workers (Weighted)
– HHWRK**

Household Workers	Count	Percent
0	57033	26.8%
1	76306	35.9%
2	65413	30.7%
3	10505	4.9%
4	2840	1.3%
5	629	0.3%
Total	212727	100.0%

**CMRPC-16: Licensed Drivers in Household
(Weighted) –HHLIC**

Licensed Drivers in Household	Count	Percent
0	13170	6.2%
1	68321	32.1%
2	105213	49.5%
3	17705	8.3%
4	6677	3.1%
5	1464	0.7%
6	177	0.1%
Total	212727	100.0%

CMRPC-17: Distribution of Households by Day of Week of Travel (Weighted) – DAY

Day of Week of Travel	Count	Percent
Monday	43263	20.3%
Tuesday	44185	20.8%
Wednesday	43575	20.5%
Thursday	40594	19.1%
Friday	41110	19.3%
Total	212727	100.0%

Person Characteristics

**CMRPC-18: Respondent Gender (Weighted)
– GEND**

Respondent Gender	Count	Percent
Male	286069	48.7%
Female	300735	51.2%
Refused	117	0.0%
Total	586921	100.0%

**CMRPC-19: Age Distribution (Weighted) –
AGE**

Age Distribution	Count	Percent
Younger than 20	164248	28.0%
20 to 34 years	116462	19.8%
35 to 54 years	173119	29.5%
55 to 64 years	54453	9.3%
65 years or older	68860	11.7%
Refused Age	9781	1.7%
Total	586921	100.0%

**CMRPC-20: Valid Driver's License
(Weighted)-LIC**

Valid Driver's License	Count	Percent
Yes	384512	85.7%
No	64026	14.3%
Total	448538	100.0%

**CMRPC-21: Respondent has Transit Pass
(Weighted) – TRANS**

Respondent has Transit Pass	Count	Percent
Yes	40773	9.1%
No	405512	90.4%
Don't Know	2253	0.5%
Total	448538	100.0%

**CMRPC-22: Transit Pass Type (Weighted)-
PASST1, PASST2, PASST3**

Transit Pass Type, Multiple Response	Count	Percent
Local Bus Pass	12651	31.0%
Link Pass	856	2.1%
Commuter Rail Pass	4487	11.0%
Charlie Card	9750	23.9%
Other, specify	11820	29.0%
Don't Know	1209	3.0%
Total	40773	100.0%

**CMRPC-23: Worker Status, Computed
(Weighted) – WORKS**

Worker Status, Computed	Count	Percent
Yes	263601	58.8%
No	184937	41.2%
Total	448538	100.0%

**CMRPC-24: Employment Status, Non-workers
(Weighted) – WKSTAT**

Employment Status, Non workers	Count	Percent
Retired	62187	33.6%
Disabled/On Disability Status	31752	17.2%
Homemaker	27886	15.1%
Unemployed but looking for work	29384	15.9%
Unemployed and not looking for work	4471	2.4%
Student	27288	14.8%
Other, Specify	1120	0.6%
Refused	849	0.5%
Total	184937	100.0%

**CMRPC-25: Average Number of Jobs
(Weighted)-JOBS**

Jobs	Average
Average Number of Jobs	1.11

**CMRPC-26: Hours Worked per Day
(Weighted) - HOURS**

Hours Worked per Day	Count	Percent
1	769	0.3%
2	4705	1.8%
3	5651	2.1%
4	13260	5.0%
5	10884	4.1%
6	14897	5.7%
7	14772	5.6%
8	117499	44.6%
9	30125	11.4%
10	29092	11.0%
11	2844	1.1%
12	10926	4.1%
13	1251	0.5%
14	850	0.3%
16	1581	0.6%
20	431	0.2%
24	107	0.0%
Don't Know	2651	1.0%
Refused	1306	0.5%
Total	263601	100.0%

**CMRPC-27: Respondent Average Number of
Days Worked Per Week (Weighted) – WDAY**

Days Worked Per Week	Count	Percent
1	3493	1.3%
2	8675	3.3%
3	19254	7.3%
4	27390	10.4%
5	181843	69.0%
6	17212	6.5%
7	5475	2.1%
Don't Know	259	0.1%
Total	263601	100.0%

**CMRPC-28: Telecommute Status (Weighted)
- TELEW**

Worker Telecommutes	Count	Percent
Yes	48166	18.3%
No	211673	80.3%
Don't Know	3763	1.4%
Total	263601	100.0%

**CMRPC-29: Flexible Work Program Offered
at Work (Weighted) – SCHED**

Flexible Work Program Offered at Work	Count	Percent
Yes	55897	21.2%
No	196369	74.5%
Don't Know	11335	4.3%
Total	263601	100.0%

**CMRPC-30: Type of Flexible Work Programs
Offered, Multiple Response (Weighted)-
FLEXP1, FLEXP2, FLEXP3**

Type of Flexible Work Programs Offered, Multiple Response	Count	Percent
9/80 Work Period	3951	6.8%
Early Arrival/Departure	21594	36.9%
4/40 Work Week	5064	8.7%
Flexible Hours	14132	24.2%
Other, Specify	7867	13.5%
Don't Know	4635	7.9%
Refused	1211	2.1%
Total	58454	100.0%

**CMRPC-31: Respondent Participates in
Flexible Work Program (Weighted)-FLEXT**

Respondent Participates in Flexible Work Program	Count	Percent
Yes	43993	78.7%
No	11377	20.4%
Don't Know	527	0.9%
Total	55897	100.0%

**CMRPC-32: Disabled License Plate
(Weighted)- EDISA**

Disabled License Plate	Count	Percent
Yes	30321	5.5%
No	518726	94.4%
Don't Know	407	0.1%
Refused	280	0.1%
Total	549735	100.0%

**CMRPC-33: Disabled Transit Registration
(Weighted) –EDIS2**

Disabled Transit Registration	Count	Percent
Yes	16646	3.0%
No	531597	96.7%
Don't Know	1212	0.2%
Refused	280	0.1%
Total	549735	100.0%

**CMRPC-34: Level of Education Completed
(Weighted) –EDUCA**

Level of Education Completed	Count	Percent
Not a high school graduate, 12th grade or less. (Includes very young children)	178333	30.4%
High school graduate (high school diploma or GED)	99268	16.9%
Some college credit but no degree	50493	8.6%
Associate or technical school degree	42787	7.3%
Bachelor's or undergraduate degree	124235	21.2%
Graduate Degree (includes professional degrees, MD, DDs, JD)	88333	15.1%
Don't Know	2991	0.5%
Refused	481	0.1%
Total	586921	100.0%

**CMRPC-35: School Enrollment Status
(Weighted)-ENROL**

School Enrollment Status	Count	Percent
Yes	177857	30.3%
No	408949	69.7%
Don't Know	115	0.0%
Total	586921	100.0%

**CMRPC-36: Full-time / Part-time Student
Status (Weighted)-FPTIM**

Full-time / Part-time Student Status	Count	Percent
Part-time	32230	18.1%
Full-time	145305	81.7%
Don't Know	322	0.2%
Total	177857	100.0%

**CMRPC-37: Student Grade Level Attends
(Weighted)-SCHOL**

Student Grade Level	Count	Percent
Daycare	5064	2.8%
Nursery School, Preschool	8143	4.6%
Kindergarten to Grade 8	89278	50.2%
Grade 9 to 12	37543	21.1%
Technical/Vocational School	2095	1.2%
Two-year college (community college)	10407	5.9%
4-year college or university	14322	8.1%
Graduate School/Professional	9964	5.6%
Don't Know/Refused	1041	0.6%
Total	177857	100.0%

**CMRPC-38: Transit Trips Made in Past Week
(Weighted)- TTRIP**

Transit Trips Made in Past Week	Count	Percent
0	484348	82.5%
1	6842	1.2%
2	18496	3.2%
3	4048	0.7%
4	5394	0.9%
5	11509	2.0%
6	6649	1.1%
7	3320	0.6%
8	5282	0.9%
10	18935	3.2%
12	2329	0.4%
13	184	0.0%
14	4302	0.7%
15	2211	0.4%
16	118	0.0%
17	323	0.1%
18	755	0.1%
20	2159	0.4%
21	695	0.1%
25	499	0.1%
28	171	0.0%
30	561	0.1%
40	120	0.0%
50	169	0.0%
Don't Know	7340	1.3%
Refused	163	0.0%
Total	586921	100.0%

**CMRPC-39: Bike Facilities Available at
Work/School (Weighted)- BIKFA**

Bike Facilities Available at Work/School	Count	Percent
Yes	149303	36.0%
No	200255	48.3%
Don't Know	58874	14.2%
Refused	6318	1.5%
Total	414750	100.0%

**CMRPC-40: Days Used Bike for Recreation in
Past Week (Weighted)- BIKD1**

Days Used Bike for Recreation in Past Week	Count	Percent
0	264753	69.7%
1	17928	4.7%
2	10970	2.9%
3	7497	2.0%
4	3162	0.8%
5	1113	0.3%
6	1682	0.4%
7	2261	0.6%
Don't Know	46000	12.1%
Refused	24438	6.4%
Total	379804	100.0%

**CMRPC-41: Days Used Bike for
Transportation in Past Week (Weighted) –
BIKD2**

Days Used Bike for Transportation in Past Week	Count	Percent
0	295355	77.8%
1	3166	0.8%
2	3883	1.0%
3	2102	0.6%
4	1354	0.4%
5	1088	0.3%
6	0	0%
7	592	0.2%
Don't Know	47825	12.6%
Refused	24438	6.4%
Total	379804	100.0%

**CMRPC-42: Bike Lanes/Trails Used
(Weighted) – BIKRD**

Bike Lanes/Trails Used for Non-Recreational Purposes	Count	Percent
Off-Road	45645	12.0%
On-Road	78498	20.7%
Both	69464	18.3%
Don't Know	147379	38.8%
Refused	38818	10.2%
Total	379804	100.0%

**CMRPC-43: Internet was Used on Travel Day
in Place of Trips (Weighted)-INUSE**

Internet was used on Travel Day in Place of Trips	Count	Percent
Yes	31219	5.3%
No	527375	89.9%
Don't Know	27419	4.7%
Refused	908	0.2%
Total	586921	100.0%

**CMRPC-44: Reason for Non-Travel
(Weighted)-NOGO**

Reason for Non-Travel	Count	Percent
Personally Sick	10763	13.0%
Caretaking Sick Kids	600	0.7%
Caretaking Sick Other	1561	1.9%
Homebound Elderly or Disabled	11180	13.5%
Worked at Home for Pay	2717	3.3%
Worked Around Home (Not for Pay)	23443	28.3%
Out of Area	3755	4.5%
Other, SPECIFY	28792	34.8%
Total	82810	100.0%

Vehicle Characteristics

CMRPC-45: Vehicle Year (Weighted) – YEAR

Vehicle Year	Count	Percent
1964 or older	1238	0.3%
1965-1979	3420	0.9%
1980-1989	4468	1.2%
1990-1999	61507	16.8%
2000-2003	96383	26.4%
2004-2006	95829	26.2%
2007	29033	7.9%
2008	27144	7.4%
2009	21932	6.0%
2010	19369	5.3%
2011	5223	1.4%
Total	365547	100.0%

CMRPC-46: Vehicle Make (Weighted) – MAKE

Vehicle Make	Count	Percent
Acura	3955	1.1%
Audi	2379	0.6%
BMW	4079	1.1%
Buick	6247	1.7%
Cadillac	2297	0.6%
Chevrolet	36877	9.9%
Chrysler	9564	2.6%
Dodge	18744	5.0%
Ford	46952	12.5%
Geo	1187	0.3%
GMC	5884	1.6%
Harley Davidson	2231	0.6%
Honda	36397	9.7%
Hummer	130	0.0%
Hyundai	10605	2.8%
Infiniti	748	0.2%
Isuzu	770	0.2%
Jaguar	730	0.2%
Jeep	10802	2.9%
Kawasaki	245	0.1%
Kia	3470	0.9%
Lexus	3932	1.1%
Lincoln	2068	0.6%
Mazda	7017	1.9%
Mercedes	2677	0.7%

Vehicle Make	Count	Percent
Mercury	7154	1.9%
Mitsubishi	2134	0.6%
Nissan	16239	4.3%
Oldsmobile	1475	0.4%
Plymouth	1890	0.5%
Pontiac	6994	1.9%
Porsche	143	0.0%
Range Rover	346	0.1%
Saab	4227	1.1%
Saturn	6085	1.6%
Scion	966	0.3%
Subaru	13855	3.7%
Suzuki	1112	0.3%
Toyota	64481	17.2%
Volkswagen	7790	2.1%
Volvo	9538	2.5%
Yamaha	1153	0.3%
Other, SPECIFY	5045	1.3%
Don't Know	2005	0.5%
Refused	1614	0.4%
Total	374235	100.0%

**CMRPC-47: Vehicle Body Type (Weighted) –
BODY**

Vehicle Body Type	Count	Percent
Car/Station Wagon	192306	51.4%
Van (any type)	35374	9.5%
SUV	86493	23.1%
Pickup Truck	35116	9.4%
Other type of truck	890	0.2%
RV	615	0.2%
Motorcycle	5455	1.5%
Other, Specify	1309	0.3%
Refused	16676	4.5%
Total	374235	100.0%

**CMRPC-48: Vehicle Fuel Type (Weighted) -
FUEL**

Vehicle Fuel Type	Count	Percent
Gas	366076	97.8%
Diesel	2662	0.7%
Hybrid	4771	1.3%
Flex Fuel	498	0.1%
Refused	228	0.1%
Total	374235	100.0%

Place Characteristics

CMRPC-49: Primary Trip Purpose (Weighted) – TPURP

Primary Trip Purpose	Count	Percent
All other home activities	1270065	46.2%
Work/Job	211602	7.7%
Routine shopping (groceries, clothing, convenience store, HH maintenance)	188966	6.9%
Changed type of transportation	157125	5.7%
Attending Class	105605	3.8%
Visit friends/relatives	96142	3.5%
Eat meal outside of home	95264	3.5%
Drop off passenger from car	80483	2.9%
Indoor recreation/entertainment	74892	2.7%
Household errands (bank, dry cleaning, etc.)	70316	2.6%
Pick up passenger from car	69690	2.5%
Personal business (visit government office, attorney, accountant)	65063	2.4%
Work Business Related	61663	2.2%
Health care (doctor, dentist)	55497	2.0%
Outdoor recreation/entertainment	33525	1.2%
Service private vehicle (gas, oil lube, etc.)	32610	1.2%
Shopping for major purchases or specialty items (appliance, electronics, new vehicle, major HH repairs)	21380	0.8%
Working at home (for pay)	18637	0.7%
Civic/Religious activities	17577	0.6%
All other School Activities	11949	0.4%
Loop trip	5436	0.2%
All other activities at work	5023	0.2%
Other, SPECIFY	2282	0.1%
Volunteer Work/Activities	874	0.0%
While Traveling -- Other, Specify	0	0.0%
Total	2751668	100.0%

CMRPC-50: Total People Traveling in Travel Party, Including Respondent (Weighted) – TOTTR

Total People Traveling	Count	Percent
1 person	1063702	52.1%
2 persons	557161	27.3%
3 persons	231185	11.3%
4 persons	120420	5.9%
5 persons	69012	3.4%
Total	2041481	100.0%

CMRPC-51: Parking Location (Weighted) – PRKTY

Parking Location	Count	Percent
Parking Lot	829502	47.9%
Parking Garage	38864	2.2%
Street	120289	6.9%
Driveway/personal garage	595416	34.4%
Did not park	138287	8.0%
Other, SPECIFY	2648	0.2%
Don't Know	4462	0.3%
Refused	2744	0.2%
Total	1732212	100.0%

CMRPC-52: Paid to Park (Weighted) – PRKCS

Paid to Park	Count	Percent
Did not Pay	1572804	90.8%
Did Pay, record amount	17419	1.0%
Don't Know	5961	0.3%
Refused	136028	7.9%
Total	1732212	100.0%

CMRPC-53: How Parking Fare was Paid (Weighted) – PRKHW

How Parking Fare was Paid	Count	Percent
Cash/Credit/Debit Card	12236	70.2%
Per-Paid parking Pass	3226	18.5%
Employer-Provided Parking Pass	1750	10.0%
Refused	207	1.2%
Total	17419	100.0%

CMRPC-54: Toll Road Used on Trip (Weighted) – TOLL (Use a Toll road)?

Use a Toll Road	Count	Percent
Yes	51135	3.0%
No	1655695	95.6%
Don't Know	23164	1.3%
Refused	2217	0.1%
Total	1732212	100.0%

CMRPC-55: Toll Road Used (Weighted) – TOLLT (Which Toll road was used)?

Which Toll Road was Used	Count	Percent
Turnpike	51021	99.8%
Sumner Tunnel	115	0.2%
Total	51135	100.0%

Travel Behavior

CMRPC-56: Average Household and Person Trip Rates (Weighted)

	Average Trip Rate
Household	10.6
Person	4.1

CMRPC-57: Trip Rates by Household Size (Weighted)

Household Size	Trip Rate
1	4.5
2	8.3
3	13.6
4	17.5
5	22.2
6	26.6
7	24.8
8 or more	29.8
Total	10.6

CMRPC-58: Trip Rates by Number of Household Workers (Weighted)

Household Workers	Trip Rate
0	6.6
1	9.7
2	13.1
3	16.8
4	22.0
5	27.2
6	22.7
Total	10.6

CMRPC-59: Trip Rates by Household Income (Weighted)

Household Income	Trip Rate
Less than \$15,000	8.3
\$15,000-\$24,999	9.2
\$25,000-\$34,999	8.4
\$35,000-\$49,999	9.4
\$50,000-\$74,999	10.2
\$75,000-\$99,999	11.4
\$100,000-\$149,999	13.2
\$150,000 or more	13.3
Don't Know/Refused	9.8
Total	10.6

CMRPC-60: All Trip Modes (Weighted)

Transportation Mode	Count	Percent
Walk	227090	10.5%
Bike	9113	0.4%
Auto/Van/Truck Driver	1232317	56.9%
Auto/Van/Truck Passenger	499355	23.1%
Public Bus	41608	1.9%
Train	26589	1.2%
Ferry/boat	181	0.0%
Dial-A-Ride/Paratransit	3103	0.1%
Taxi	12812	0.6%
School bus	110454	5.1%
Motorcycle Driver	539	0.0%
Other, SPECIFY	1587	0.1%
Total	2164747	100.0%

CMRPC-61: Mode to Work (Weighted)

Mode to Work	Count	Percent
Works from home	10800	4.1%
Walk	8388	3.2%
Bike	1279	0.5%
Auto/Van/Truck Driver	224279	85.1%
Auto/Van/Truck Passenger	6209	2.4%
Bus / Public Transit	8698	3.3%
Taxi	1843	0.7%
Motorcycle Driver	348	0.1%
Other, SPECIFY	974	0.4%
Don't Know	246	0.1%
Refused	536	0.2%
Total	263601	100.0%

CMRPC-62: Mode to School (Weighted)

Mode to School	Count	Percent
Home schooled	4438	2.5%
Walk	17955	10.1%
Bike	420	0.2%
Auto/Van/Truck Driver	24063	13.5%
Auto/Van/Truck Passenger	40784	22.9%
Bus / Public Transit	7111	4.0%
School Bus	78760	44.3%
Other, SPECIFY	1983	1.1%
Don't Know	1979	1.1%
Refused	364	0.2%
Total	177857	100.0%

Survey Results for Old Colony MPO (OCPC)

Household Characteristics

OCPC-1: Household Size (Weighted) – HHSIZ

Household Size	Count	Percent
1	28223	23.0%
2	38900	31.7%
3	24217	19.8%
4	18614	15.2%
5	9189	7.5%
6	3171	2.6%
7	224	0.2%
Total	122538	100.0%

OCPC-2: Transit Used on Regular Basis (Weighted) –RIBUS

Transit Used on Regular Basis	Count	Percent
Yes	24535	20.0%
No	98003	80.0%
Total	122538	100.0%

OCPC-3: Household Bicycles (Weighted) – HHBIC

Household Bicycles	Count	Percent
0	53331	43.5%
1	20933	17.1%
2	23165	18.9%
3	12100	9.9%
4	7713	6.3%
5	3470	2.8%
6	1301	1.1%
7	373	0.3%
8	154	0.1%
Total	122538	100.0%

OCPC-4: Household Number of Vehicles (Weighted)-HHVEH

Household Vehicles	Count	Percent
0	6860	5.6%
1	35951	29.3%
2	54452	44.4%
3	17162	14.0%
4	4281	3.5%
5	2487	2.0%
6	903	0.7%
7	224	0.2%
8 or More	218	0.2%
Total	122538	100.0%

OCPC-5: Household Ethnicity (Weighted)-RACE

Household Ethnicity	Count	Percent
White Alone	109909	89.7%
Black or African American Alone	6241	5.1%
American Indian or Alaskan Native Alone	434	0.4%
Asian Alone	645	0.5%
Some Other Race Alone	2877	2.3%
Two or More Races	1079	0.9%
Refused	1354	1.1%
Total	122538	100.0%

OCPC-6: Hispanic or Latino Households (Weighted) – HISP

Hispanic or Latino Household	Count	Percent
Yes	2197	1.8%
No	119599	97.6%
Refused	742	0.6%
Total	122538	100.0%

**OCPC-7: Household Residence Type
(Weighted)-RESTY**

Household Residence Type	Count	Percent
Single Family Detached Dwelling	92922	75.8%
Building with 2-4 Units	14420	11.8%
Building with 5-19 Units	8269	6.7%
Building with 20 or More Units	6416	5.2%
or Something Else?	372	0.3%
Don't Know	140	0.1%
Total	122538	100.0%

**OCPC-8: Ownership of Household
Residence (Weighted) – OWN**

Home Ownership	Count	Percent
Own/Mortgaged	101048	82.5%
Renter	21135	17.2%
Don't Know	356	0.3%
Total	122538	100.0%

**OCPC-9: Cell phone lines in Household
(Weighted) – CPLNS**

Cell Phones in Household	Count	Percent
0	7865	6.4%
1	33533	27.4%
2	45098	36.8%
3	22356	18.2%
4	9877	8.1%
5	3080	2.5%
6	307	0.3%
Don't Know	423	0.3%
Total	122538	100.0%

**OCPC-10: Landlines in Household
(Weighted)-PHLNS**

Landlines in Household	Count	Percent
0	1326	1.1%
1	113803	92.9%
2	6124	5.0%
3	1285	1.0%
Total	122538	100.0%

**OCPC-11: Fax Lines in Household
(Weighted) – FXLNS**

Fax Lines in Household	Count	Percent
0	3888	52.5%
1	3521	47.5%
Total	7409	100.0%

**OCPC-12: Household Income (Weighted) –
INCOME**

Household Income	Count	Percent
Less than \$15,000	9984	8.1%
\$15,000-\$24,999	9672	7.9%
\$25,000-\$34,999	9866	8.1%
\$35,000-\$49,999	16205	13.2%
\$50,000-\$74,999	28345	23.1%
\$75,000-\$99,999	17861	14.6%
\$100,000-\$149,999	15604	12.7%
\$150,000 or more	8946	7.3%
Don't Know/Refused	6055	4.9%
Total	122538	100.0%

OCPC-13: Trips Made by Household on Travel Day (Weighted) – HTRIPS

Trips Made by Household on Travel Day	Count	Percent
None	4686	3.8%
1 to 5	34818	28.4%
6 to 10	35478	29.0%
11 to 15	24780	20.2%
16 to 20	11898	9.7%
21 to 30	8917	7.3%
31 to 50	1961	1.6%
Total	122538	100.0%

OCPC-14: Household Students (Weighted) – HHSTU

Household Students	Count	Percent
0	78085	63.7%
1	20283	16.6%
2	14723	12.0%
3	7209	5.9%
4	1695	1.4%
5	544	0.4%
Total	122538	100.0%

OCPC-15: Household Workers (Weighted) – HHWRK

Household Workers	Count	Percent
0	27378	22.3%
1	42637	34.8%
2	40239	32.8%
3	9010	7.4%
4	2614	2.1%
5	659	0.5%
Total	122538	100.0%

OCPC-16: Licensed Drivers in Household (Weighted) –HHLIC

Licensed Drivers in Household	Count	Percent
0	3677	3.0%
1	36299	29.6%
2	61326	50.0%
3	14982	12.2%
4	5314	4.3%
5	722	0.6%
6	218	0.2%
Total	122538	100.0%

OCPC-17: Distribution of Households by Day of Week of Travel (Weighted) – DAY

Day of Week of Travel	Count	Percent
Monday	29920	24.4%
Tuesday	24728	20.2%
Wednesday	20807	17.0%
Thursday	24856	20.3%
Friday	22227	18.1%
Total	122538	100.0%

Person Characteristics

OCPC-18: Respondent Gender (Weighted) – GEND

Respondent Gender	Count	Percent
Male	156265	47.8%
Female	170849	52.2%
Total	327114	100.0%

OCPC-19: Age Distribution (Weighted) –AGE

Age Distribution	Count	Percent
Younger than 20	79832	24.4%
20 to 34 years	62887	19.2%
35 to 54 years	89387	27.3%
55 to 64 years	41513	12.7%
65 years or older	45423	13.9%
Refused Age	8073	2.5%
Total	327114	100.0%

OCPC-20: Valid Driver's License (Weighted)- LIC

Valid Driver's License	Count	Percent
Yes	233296	88.9%
No	29119	11.1%
Total	262415	100.0%

OCPC-21: Respondent has Transit Pass (Weighted) – TRANS

Respondent has Transit Pass	Count	Percent
Yes	36478	13.9%
No	224595	85.6%
Don't Know	1342	0.5%
Total	262415	100.0%

OCPC-22: Transit Pass Type (Weighted)- PASST1, PASST2, PASST3

Transit Pass Type, Multiple Response	Count	Percent
Local Bus Pass	3828	10.5%
Link Pass	1070	2.9%
Commuter Rail Pass	8445	23.2%
Charlie Card	17194	47.1%
Other, specify	5324	14.6%
Don't Know	245	0.7%
Refused	373	1.0%
Total	36478	100.0%

OCPC-23: Worker Status, Computed (Weighted) – WORKS

Worker Status, Computed	Count	Percent
Yes	169411	64.6%
No	93004	35.4%
Total	262415	100.0%

**OCPC-24: Employment Status, Non-workers
(Weighted) – WKSTAT**

Employment Status, Non workers	Count	Percent
Retired	42538	45.7%
Disabled/On Disability Status	12648	13.6%
Homemaker	7921	8.5%
Unemployed but looking for work	13895	14.9%
Unemployed and not looking for work	2814	3.0%
Student	11776	12.7%
Other, SPECIFY	227	0.2%
Refused	1184	1.3%
Total	93004	100.0%

**OCPC-25: Average Number of Jobs
(Weighted)-JOBS**

Jobs	Average
Average Number of Jobs	1.13

**OCPC-26: Hours Worked per Day (Weighted)
- HOURS**

Hours Worked per Day	Count	Percent
1	679	0.4%
2	2172	1.3%
3	4833	2.9%
4	7211	4.3%
5	9971	5.9%
6	10117	6.0%
7	12716	7.5%
8	75593	44.6%
9	17212	10.2%
10	18326	10.8%
11	1339	0.8%
12	5311	3.1%
13	995	0.6%
14	431	0.3%
15	100	0.1%
16	372	0.2%
24	332	0.2%
Don't Know	1702	1.0%
Total	169411	100.0%

**OCPC-27: Respondent Average Number of
Days Worked Per Week (Weighted) – WDAYS**

Days Worked Per Week	Count	Percent
1	2554	1.5%
2	8143	4.8%
3	14533	8.6%
4	19692	11.6%
5	112318	66.3%
6	9091	5.4%
7	2660	1.6%
Don't Know	419	0.2%
Total	169411	100.0%

**OCPC-28: Telecommute Status (Weighted) -
TELEW**

Worker Telecommutes	Count	Percent
Yes	25037	14.8%
No	143291	84.6%
Don't Know	1083	0.6%
Total	169411	100.0%

**OCPC-29: Flexible Work Program Offered at
Work (Weighted) – SCHED**

Flexible Work Program Offered at Work	Count	Percent
Yes	31724	18.7%
No	129197	76.3%
Don't Know	8490	5.0%
Total	169411	100.0%

**OCPC-30: Type of Flexible Work Programs
Offered, Multiple Response (Weighted)-
FLEXP1, FLEXP2, FLEXP3**

Type of Flexible Work Programs Offered, Multiple Response	Count	Percent
9/80 Work Period	1587	4.7%
Early Arrival/Departure	13837	41.3%
4/40 Work Week	4157	12.4%
Flexible Hours	6573	19.6%
Other, Specify	2222	6.6%
Don't Know	4646	13.9%
Refused	515	1.5%
Total	33536	100.0%

**OCPC-31: Respondent Participates in
Flexible Work Program (Weighted)-FLEXT**

Respondent Participates in Flexible Work Program	Count	Percent
Yes	26619	83.9%
No	4095	12.9%
Don't Know	1010	3.2%
Total	31724	100.0%

**OCPC-32: Disabled License Plate
(Weighted)- EDISA**

Disabled License Plate	Count	Percent
Yes	21575	7.0%
No	284957	92.5%
Don't Know	1102	0.4%
Refused	355	0.1%
Total	307989	100.0%

**OCPC-33: Disabled Transit Registration
(Weighted) –EDIS2**

Disabled Transit Registration	Count	Percent
Yes	7565	2.5%
No	299710	97.3%
Don't Know	359	0.1%
Refused	355	0.1%
Total	307989	100.0%

**OCPC-34: Level of Education Completed
(Weighted) –EDUCA**

Level of Education Completed	Count	Percent
Not a high school graduate, 12th grade or less. (Includes very young children)	86123	26.3%
High school graduate (high school diploma or GED)	68236	20.9%
Some college credit but no degree	42627	13.0%
Associate or technical school degree	32316	9.9%
Bachelor's or undergraduate degree	61128	18.7%
Graduate Degree (includes professional degrees, MD, DDs, JD)	35394	10.8%
Don't Know	1023	0.3%
Refused	267	0.1%
Total	327114	100.0%

**OCPC-35: School Enrollment Status
(Weighted)-ENROL**

School Enrollment Status	Count	Percent
Yes	88608	27.1%
No	238065	72.8%
Don't Know	441	0.1%
Total	327114	100.0%

**OCPC-36: Full-time / Part-time Student Status
(Weighted)-FPTIM**

Full-time / Part-time Student Status	Count	Percent
Part-time	19919	22.5%
Full-time	68689	77.5%
Total	88608	100.0%

**OCPC-37: Student Grade Level Attends
(Weighted)-SCHOL**

Student Grade Level	Count	Percent
Daycare	2999	3.4%
Nursery School, Preschool	3589	4.1%
Kindergarten to Grade 8	41484	46.8%
Grade 9 to 12	18738	21.1%
Technical/Vocational School	1294	1.5%
Two-year college (community college)	5412	6.1%
4-year college or university	11397	12.9%
Graduate School/Professional	2588	2.9%
Don't Know/Refused	1108	1.3%
Total	88608	100.0%

**OCPC-38: Transit Trips Made in Past Week
(Weighted)- TTRIP**

Transit Trips Made in Past Week	Count	Percent
0	263838	80.7%
1	5825	1.8%
2	15320	4.7%
3	1979	0.6%
4	4229	1.3%
5	4354	1.3%
6	4064	1.2%
7	936	0.3%
8	2402	0.7%
9	373	0.1%
10	14733	4.5%
12	378	0.1%
14	2303	0.7%
15	220	0.1%
16	675	0.2%
20	1135	0.3%
28	485	0.1%
Don't Know	3159	1.0%
Refused	706	0.2%
Total	327114	100.0%

**OCPC-39: Bike Facilities Available at
Work/School (Weighted)- BIKFA**

Bike Facilities Available at Work/School	Count	Percent
Yes	85940	35.8%
No	115568	48.1%
Don't Know	33244	13.8%
Refused	5438	2.3%
Total	240190	100.0%

**OCPC-40: Days Used Bike for Recreation in
Past Week (Weighted)- BIKD1**

Days Used Bike for Recreation in Past Week	Count	Percent
0	150718	70.8%
1	12473	5.9%
2	5551	2.6%
3	2672	1.3%
4	779	0.4%
5	899	0.4%
6	0	0%
7	1907	0.9%
Don't Know	23245	10.9%
Refused	14606	6.9%
Total	212850	100.0%

**OCPC-41: Days Used Bike for Transportation
in Past Week (Weighted) – BIKD2**

Days Used Bike for Transportation in Past Week	Count	Percent
0	168735	79.3%
1	2235	1.0%
2	983	0.5%
3	783	0.4%
4	0	0%
5	448	0.2%
6	0	0%
7	803	0.4%
Don't Know	23825	11.2%
Refused	15039	7.1%
Total	212850	100.0%

**OCPC-42: Bike Lanes/Trails Used (Weighted)
– BIKRD**

Bike Lanes/Trails Used for Non-Recreational Purposes	Count	Percent
Off-Road	23043	10.8%
On-Road	45034	21.2%
Both	38809	18.2%
Don't Know	85740	40.3%
Refused	20224	9.5%
Total	212850	100.0%

**OCPC-43: Internet was Used on Travel Day in
Place of Trips (Weighted)-INUSE**

Internet was used on Travel Day in Place of Trips	Count	Percent
Yes	10783	3.3%
No	297970	91.1%
Don't Know	17513	5.4%
Refused	848	0.3%
Total	327114	100.0%

OCPC-44: Reason for Non-Travel (Weighted)-NOGO

Reason for Non-Travel	Count	Percent
Personally Sick	6299	15.0%
Caretaking Sick Kids	234	0.6%
Homebound Elderly or Disabled	5981	14.2%
Worked at Home for Pay	1421	3.4%
Worked Around Home (Not for Pay)	12203	29.1%
Out of Area	542	1.3%
Other, SPECIFY	15300	36.4%
Total	41980	100.0%

Vehicle Characteristics

OCPC-45: Vehicle Year (Weighted) – YEAR

Vehicle Year	Count	Percent
1964 or older	534	0.2%
1965-1979	1910	0.8%
1980-1989	3833	1.7%
1990-1999	42222	18.5%
2000-2003	63858	28.0%
2004-2006	53063	23.3%
2007	17262	7.6%
2008	16386	7.2%
2009	12246	5.4%
2010	13958	6.1%
2011	2692	1.2%
Total	227966	100.0%

OCPC-46: Vehicle Make (Weighted) – MAKE

Vehicle Make	Count	Percent
Acura	2025	0.9%
Audi	963	0.4%
BMW	2540	1.1%
Buick	6008	2.6%
Cadillac	2897	1.2%
Chevrolet	23619	10.1%
Chrysler	6157	2.6%
Dodge	11630	5.0%
Ford	31181	13.3%
Geo	399	0.2%
GMC	3660	1.6%
Harley Davidson	4564	1.9%
Honda	16992	7.2%
Hyundai	7390	3.1%
Infiniti	912	0.4%
Isuzu	1084	0.5%
Jaguar	106	0.0%
Jeep	9956	4.2%
Kawasaki	1019	0.4%
Kia	4810	2.1%
Lexus	3048	1.3%
Lincoln	1670	0.7%
Mazda	3928	1.7%

Vehicle Make	Count	Percent
Mercedes	1544	0.7%
Mercury	4211	1.8%
Mitsubishi	1646	0.7%
Nissan	11939	5.1%
Oldsmobile	2273	1.0%
Plymouth	960	0.4%
Pontiac	6384	2.7%
Porsche	218	0.1%
Range Rover	424	0.2%
Saab	733	0.3%
Saturn	2835	1.2%
Scion	564	0.2%
Subaru	6084	2.6%
Suzuki	443	0.2%
Toyota	37781	16.1%
Volkswagen	2026	0.9%
Volvo	3830	1.6%
Yamaha	295	0.1%
Other, SPECIFY	2326	1.0%
Don't Know	1299	0.6%
Refused	255	0.1%
Total	234627	100.0%

OCPC-47: Vehicle Body Type (Weighted) – BODY

Vehicle Body Type	Count	Percent
Car/Station Wagon	114773	48.9%
Van (any type)	19409	8.3%
SUV	54748	23.3%
Pickup Truck	25941	11.1%
Other type of truck	154	0.1%
RV	357	0.2%
Motorcycle	5384	2.3%
Refused	13861	5.9%
Total	234627	100.0%

OCPC-48: Vehicle Fuel Type (Weighted) - FUEL

Vehicle Fuel Type	Count	Percent
Gas	230665	98.3%
Diesel	902	0.4%
Hybrid	2650	1.1%
Flex Fuel	410	0.2%
Total	234627	100.0%

Place Characteristics

OCPC-49: Primary Trip Purpose (Weighted) – TPURP

Primary Trip Purpose	Count	Percent
All other home activities	719472	45.6%
Work/Job	125343	7.9%
Routine shopping (groceries, clothing, convenience store, HH maintenance)	119776	7.6%
Changed type of transportation	109407	6.9%
Attending Class	53783	3.4%
Eat meal outside of home	47791	3.0%
Drop off passenger from car	46212	2.9%
Visit friends/relatives	44858	2.8%
Household errands (bank, dry cleaning, etc.)	44162	2.8%
Pick up passenger from car	40854	2.6%
Work Business Related	39767	2.5%
Health care (doctor, dentist)	34893	2.2%
Personal business (visit government office, attorney, accountant)	32630	2.1%
Indoor recreation/entertainment	32080	2.0%
Outdoor recreation/entertainment	26036	1.7%
Service private vehicle (gas, oil lube, etc.)	18600	1.2%
Working at home (for pay)	10945	0.7%
Civic/Religious activities	9085	0.6%
All other activities at work	7378	0.5%
Shopping for major purchases or specialty items (appliance, electronics, new vehicle, major HH repairs)	6027	0.4%
All other School Activities	4258	0.3%
Other, SPECIFY	1749	0.1%
Volunteer Work/Activities	1053	0.1%
Loop trip	947	0.1%
While Traveling -- Other, Specify	0	0.0%
Total	1577103	100.0%

OCPC-50: Total People Traveling in Travel Party, Including Respondent (Weighted) – TOTTR

Total People Traveling	Count	Percent
1 person	703625	58.5%
2 persons	301711	25.1%
3 persons	131882	11.0%
4 persons	52184	4.3%
5 persons	13532	1.1%
Total	1202935	100.0%

OCPC-51: Parking Location (Weighted) – PRKTY

Parking Location	Count	Percent
Parking Lot	507222	48.7%
Parking Garage	18860	1.8%
Street	48129	4.6%
Driveway/personal garage	377961	36.3%
Did not park	73289	7.0%
Other, SPECIFY	4855	0.5%
Don't Know	9872	0.9%
Refused	900	0.1%
Total	1041087	100.0%

OCPC-52: Paid to Park (Weighted) – PRKCS

Paid to Park	Count	Percent
Did not Pay	948083	91.1%
Did Pay, record amount	14927	1.4%
Don't Know	3186	0.3%
Refused	74893	7.2%
Total	1041087	100.0%

OCPC-53: How Parking Fare was Paid (Weighted) – PRKHW

How Parking Fare was Paid	Count	Percent
Cash/Credit/Debit Card	13448	90.1%
Per-Paid parking Pass	1479	9.9%
Employer-Provided Parking Pass	0	0%
Total	14927	100.0%

OCPC-54: Toll Road Used on Trip (Weighted) – TOLL (Use a Toll road)?

Use a Toll Road	Count	Percent
Yes	3374	0.3%
No	987779	94.9%
Don't Know	44951	4.3%
Refused	4983	0.5%
Total	1041087	100.0%

OCPC-55: Toll Road Used (Weighted) – TOLLT (Which Toll road was used)?

Which Toll Road was Used	Count	Percent
Turnpike	2209	65.5%
Tobin Bridge	1165	34.5%
Total	3374	100.0%

Travel Behavior

OCPC-56: Average Household and Person Trip Rates (Weighted)

	Average Trip Rate
Household	10.6
Person	4.1

OCPC-57: Trip Rates by Household Size (Weighted)

Household Size	Trip Rate
1	4.5
2	8.3
3	13.6
4	17.5
5	22.2
6	26.6
7	24.8
8 or more	29.8
Total	10.6

OCPC-58: Trip Rates by Number of Household Workers (Weighted)

Household Workers	Trip Rate
0	6.6
1	9.7
2	13.1
3	16.8
4	22.0
5	27.2
6	22.7
Total	10.6

OCPC-59: Trip Rates by Household Income (Weighted)

Household Income	Trip Rate
Less than \$15,000	8.3
\$15,000-\$24,999	9.2
\$25,000-\$34,999	8.4
\$35,000-\$49,999	9.4
\$50,000-\$74,999	10.2
\$75,000-\$99,999	11.4
\$100,000-\$149,999	13.2
\$150,000 or more	13.3
Don't Know/Refused	9.8
Total	10.6

OCPC-60: All Trip Modes (Weighted)

Transportation Mode	Count	Percent
Walk	99606	8.0%
Bike	3503	0.3%
Auto/Van/Truck Driver	772264	61.8%
Auto/Van/Truck Passenger	266132	21.3%
Public Bus	24385	2.0%
Train	30025	2.4%
Dial-A-Ride/Paratransit	2796	0.2%
Taxi	2164	0.2%
School bus	44891	3.6%
Motorcycle Driver	2691	0.2%
Other, SPECIFY	1532	0.1%
Total	1249989	100.0%

OCPC-61: Mode to Work (Weighted)

Mode to Work	Count	Percent
Works from home	5357	3.2%
Walk	3502	2.1%
Bike	1007	0.6%
Auto/Van/Truck Driver	135998	80.3%
Auto/Van/Truck Passenger	7945	4.7%
Bus / Public Transit	12393	7.3%
Taxi	150	0.1%
Motorcycle Driver	287	0.2%
Other, SPECIFY	2184	1.3%
Don't Know	213	0.1%
Refused	373	0.2%
Total	169411	100.0%

OCPC-62: Mode to School (Weighted)

Mode to School	Count	Percent
Home schooled	1462	1.7%
Walk	7912	8.9%
Auto/Van/Truck Driver	16052	18.1%
Auto/Van/Truck Passenger	23436	26.4%
Bus / Public Transit	4249	4.8%
Dial-A-Ride/Paratransit	235	0.3%
School Bus	34594	39.0%
Other, SPECIFY	149	0.2%
Don't Know	517	0.6%
Total	88608	100.0%

Survey Results for Merrimack Valley MPO (MVPC)

Household Characteristics

MVPC-1: Household Size (Weighted) – HHSIZ

Household Size	Count	Percent
1	31904	25.9%
2	35989	29.2%
3	21323	17.3%
4	23940	19.4%
5	8892	7.2%
6	1046	0.8%
Total	123094	100.0%

MVPC-2: Transit Used on Regular Basis (Weighted) –RIBUS

Transit Used on Regular Basis	Count	Percent
Yes	23192	18.8%
No	99676	81.0%
Don't Know	226	0.2%
Total	123094	100.0%

MVPC-3: Household Bicycles (Weighted) – HHBIC

Household Bicycles	Count	Percent
0	57727	46.9%
1	20467	16.6%
2	17077	13.9%
3	10378	8.4%
4	10474	8.5%
5	3648	3.0%
6	1877	1.5%
7	663	0.5%
8	783	0.6%
Total	123094	100.0%

MVPC-4: Household Number of Vehicles (Weighted)-HHVEH

Household Vehicles	Count	Percent
0	14893	12.1%
1	40823	33.2%
2	47444	38.5%
3	13050	10.6%
4	4733	3.8%
5	1786	1.5%
6	211	0.2%
7	154	0.1%
Total	123094	100.0%

MVPC-5: Household Ethnicity (Weighted)- RACE

Household Ethnicity	Count	Percent
White Alone	102933	83.6%
Black or African American Alone	932	0.8%
American Indian or Alaskan Native Alone	516	0.4%
Asian Alone	1972	1.6%
Some Other Race Alone	13920	11.3%
Two or More Races	1862	1.5%
Refused	959	0.8%
Total	123094	100.0%

MVPC-6: Hispanic or Latino Households (Weighted) – HISP

Hispanic or Latino Household	Count	Percent
Yes	20548	16.7%
No	102036	82.9%
Refused	509	0.4%
Total	123094	100.0%

MVPC-7: Household Residence Type (Weighted)-RETY

Household Residence Type	Count	Percent
Single Family Detached Dwelling	76701	62.3%
Building with 2-4 Units	25689	20.9%
Building with 5-19 Units	10503	8.5%
Building with 20 or More Units	9748	7.9%
or Something Else?	453	0.4%
Total	123094	100.0%

MVPC-8: Ownership of Household Residence (Weighted) – OWN

Home Ownership	Count	Percent
Own/Mortgaged	86440	70.2%
Renter	36408	29.6%
Other, Specify	246	0.2%
Total	123094	100.0%

MVPC-9: Cell phone lines in Household (Weighted) – CPLNS

Cell Phones in Household	Count	Percent
0	12993	10.6%
1	36689	29.8%
2	38961	31.7%
3	18020	14.6%
4	13362	10.9%
5	2380	1.9%
6	373	0.3%
Don't Know	316	0.3%
Total	123094	100.0%

MVPC-10: Landlines in Household (Weighted)-PHLNS

Landlines in Household	Count	Percent
0	326	0.3%
1	113679	92.4%
2	7611	6.2%
3	748	0.6%
4	305	0.2%
5	212	0.2%
Don't Know	211	0.2%
Total	123094	100.0%

**MVPC-11: Fax Lines in Household (Weighted)
– FXLNS**

Fax Lines in Household	Count	Percent
0	3983	43.8%
1	4679	51.5%
Don't Know	427	4.7%
Total	9089	100.0%

**MVPC-12: Household Income (Weighted) –
INCOME**

Household Income	Count	Percent
Less than \$15,000	20781	16.9%
\$15,000-\$24,999	9644	7.8%
\$25,000-\$34,999	8776	7.1%
\$35,000-\$49,999	13112	10.7%
\$50,000-\$74,999	17933	14.6%
\$75,000-\$99,999	15825	12.9%
\$100,000-\$149,999	14717	12.0%
\$150,000 or more	16790	13.6%
Don't Know/Refused	5518	4.5%
Total	123094	100.0%

**MVPC-13: Trips Made by Household on
Travel Day (Weighted) – HTRIPS**

Trips Made by Household on Travel Day	Count	Percent
None	6079	4.9%
1 to 5	39423	32.0%
6 to 10	35100	28.5%
11 to 15	20351	16.5%
16 to 20	12167	9.9%
21 to 30	7548	6.1%
31 to 50	2426	2.0%
Total	123094	100.0%

**MVPC-14: Household Students (Weighted) –
HHSTU**

Household Students	Count	Percent
0	70548	57.3%
1	23669	19.2%
2	18921	15.4%
3	8828	7.2%
4	1127	0.9%
Total	123094	100.0%

MVPC-15: Household Workers (Weighted) – HHWRK

Household Workers	Count	Percent
0	32237	26.2%
1	44877	36.5%
2	36220	29.4%
3	7083	5.8%
4	1993	1.6%
5	686	0.6%
Total	123094	100.0%

MVPC-16: Licensed Drivers in Household (Weighted) –HHLIC

Licensed Drivers in Household	Count	Percent
0	9893	8.0%
1	39769	32.3%
2	57613	46.8%
3	10763	8.7%
4	4629	3.8%
5	427	0.3%
Total	123094	100.0%

MVPC-17: Distribution of Households by Day of Week of Travel (Weighted) – DAY

Day of Week of Travel	Count	Percent
Monday	28245	22.9%
Tuesday	22990	18.7%
Wednesday	25856	21.0%
Thursday	19051	15.5%
Friday	26952	21.9%
Total	123094	100.0%

Person Characteristics

MVPC-18: Respondent Gender (Weighted) – GEND

Respondent Gender	Count	Percent
Male	167622	47.9%
Female	182262	52.1%
Total	349884	100.0%

MVPC-19: Age Distribution (Weighted) –AGE

Age Distribution	Count	Percent
Younger than 20	95140	27.2%
20 to 34 years	69369	19.8%
35 to 54 years	99155	28.3%
55 to 64 years	36721	10.5%
65 years or older	44006	12.6%
Refused Age	5493	1.6%
Total	349884	100.0%

MVPC-20: Valid Driver's License (Weighted)- LIC

Valid Driver's License	Count	Percent
Yes	219798	79.7%
No	54722	19.8%
Refused	1197	0.4%
Total	275718	100.0%

MVPC-21: Respondent has Transit Pass (Weighted) – TRANS

Respondent has Transit Pass	Count	Percent
Yes	28749	10.4%
No	244962	88.8%
Don't Know	1312	0.5%
Refused	694	0.3%
Total	275718	100.0%

MVPC-22: Transit Pass Type (Weighted)- PASST1, PASST2, PASST3

Transit Pass Type, Multiple Response	Count	Percent
Local Bus Pass	3497	12.2%
Link Pass	399	1.4%
Commuter Rail Pass	4208	14.6%
Charlie Card	11906	41.4%
Other, specify	6002	20.9%
Don't Know	2737	9.5%
Total	28749	100.0%

MVPC-23: Worker Status, Computed (Weighted) – WORKS

Worker Status, Computed	Count	Percent
Yes	159771	57.9%
No	115946	42.1%
Total	275718	100.0%

**MVPC-24: Employment Status, Non-workers
(Weighted) – WKSTAT**

Employment Status, Non workers	Count	Percent
Retired	35133	30.3%
Disabled/On Disability Status	21898	18.9%
Homemaker	14446	12.5%
Unemployed but looking for work	17853	15.4%
Unemployed and not looking for work	1539	1.3%
Student	23906	20.6%
Other, SPECIFY	89	0.1%
Refused	1083	0.9%
Total	115946	100.0%

**MVPC-25: Average Number of Jobs
(Weighted)-JOBS**

Jobs	Average
Average Number of Jobs	1.09

**MVPC-26: Hours Worked per Day (Weighted)
- HOURS**

Hours Worked per Day	Count	Percent
1	337	0.2%
2	2313	1.4%
3	2954	1.8%
4	13296	8.3%
5	10459	6.5%
6	10917	6.8%
7	8297	5.2%
8	69128	43.3%
9	13926	8.7%
10	16874	10.6%
11	921	0.6%
12	4765	3.0%
13	112	0.1%
14	92	0.1%
15	353	0.2%
16	188	0.1%
24	422	0.3%
Don't Know	3512	2.2%
Refused	906	0.6%
Total	159771	100.0%

**MVPC-27: Respondent Average Number of
Days Worked Per Week (Weighted) – WDAY**

Days Worked Per Week	Count	Percent
1	1729	1.1%
2	5868	3.7%
3	13645	8.5%
4	15768	9.9%
5	106435	66.6%
6	10448	6.5%
7	4734	3.0%
Don't Know	1145	0.7%
Total	159771	100.0%

MVPC-28: Telecommute Status (Weighted) - TELEW

Worker Telecommutes	Count	Percent
Yes	30194	18.9%
No	127166	79.6%
Don't Know	2184	1.4%
Refused	228	0.1%
Total	159771	100.0%

MVPC-29: Flexible Work Program Offered at Work (Weighted) – SCHED

Flexible Work Program Offered at Work	Count	Percent
Yes	33598	21.0%
No	118619	74.2%
Don't Know	7327	4.6%
Refused	228	0.1%
Total	159771	100.0%

MVPC-30: Type of Flexible Work Programs Offered, Multiple Response (Weighted)- FLEXP1, FLEXP2, FLEXP3

Type of Flexible Work Programs Offered, Multiple Response	Count	Percent
9/80 Work Period	1887	5.4%
Early Arrival/Departure	16069	45.6%
4/40 Work Week	2838	8.1%
Flexible Hours	5298	15.0%
Other, Specify	4650	13.2%
Don't Know	3511	10.0%
Refused	982	2.8%
Total	35236	100.0%

MVPC-31: Respondent Participates in Flexible Work Program (Weighted)-FLEXT

Respondent Participates in Flexible Work Program	Count	Percent
Yes	27861	82.9%
No	5179	15.4%
Don't Know	558	1.7%
Total	33598	100.0%

MVPC-32: Disabled License Plate (Weighted)- EDISA

Disabled License Plate	Count	Percent
Yes	15210	4.6%
No	315603	95.4%
Total	330813	100.0%

MVPC-33: Disabled Transit Registration (Weighted) –EDIS2

Disabled Transit Registration	Count	Percent
Yes	8099	2.4%
No	322288	97.4%
Don't Know	426	0.1%
Total	330813	100.0%

**MVPC-34: Level of Education Completed
(Weighted) –EDUCA**

Level of Education Completed	Count	Percent
Not a high school graduate, 12th grade or less. (Includes very young children)	113863	32.5%
High school graduate (high school diploma or GED)	61064	17.5%
Some college credit but no degree	32842	9.4%
Associate or technical school degree	24510	7.0%
Bachelor's or undergraduate degree	64553	18.4%
Graduate Degree (includes professional degrees, MD, DDs, JD)	50373	14.4%
Other, SPECIFY	457	0.1%
Don't Know	2088	0.6%
Refused	136	0.0%
Total	349884	100.0%

**MVPC-35: School Enrollment Status
(Weighted)-ENROL**

School Enrollment Status	Count	Percent
Yes	112391	32.1%
No	237493	67.9%
Total	349884	100.0%

**MVPC-36: Full-time / Part-time Student Status
(Weighted)-FPTIM**

Full-time / Part-time Student Status	Count	Percent
Part-time	17268	15.4%
Full-time	95123	84.6%
Total	112391	100.0%

**MVPC-37: Student Grade Level Attends
(Weighted)-SCHOL**

Student Grade Level	Count	Percent
Daycare	2944	2.6%
Nursery School, Preschool	5510	4.9%
Kindergarten to Grade 8	45581	40.6%
Grade 9 to 12	29373	26.1%
Technical/Vocational School	1667	1.5%
Two-year college (community college)	9687	8.6%
4-year college or university	13450	12.0%
Graduate School/Professional	3563	3.2%
Don't Know/Refused	617	0.5%
Total	112391	100.0%

**MVPC-38: Transit Trips Made in Past Week
(Weighted)- TTRIP**

Transit Trips Made in Past Week	Count	Percent
0	282765	80.8%
1	6640	1.9%
2	11465	3.3%
3	4109	1.2%
4	7493	2.1%
5	4045	1.2%
6	5547	1.6%
7	1682	0.5%
8	3717	1.1%
9	122	0.0%
10	9987	2.9%
12	1265	0.4%
14	3600	1.0%
15	290	0.1%
20	648	0.2%
30	669	0.2%
42	230	0.1%
Don't Know	5544	1.6%
Refused	66	0.0%
Total	349884	100.0%

**MVPC-39: Bike Facilities Available at
Work/School (Weighted)- BIKFA**

Bike Facilities Available at Work/School	Count	Percent
Yes	103236	41.3%
No	109828	44.0%
Don't Know	33816	13.5%
Refused	2864	1.1%
Total	249744	100.0%

**MVPC-40: Days Used Bike for Recreation in
Past Week (Weighted)- BIKD1**

Days Used Bike for Recreation in Past Week	Count	Percent
0	144995	66.9%
1	13341	6.2%
2	13514	6.2%
3	4844	2.2%
4	4087	1.9%
5	1245	0.6%
6	1051	0.5%
7	1488	0.7%
Don't Know	17157	7.9%
Refused	14939	6.9%
Total	216661	100.0%

**MVPC-41: Days Used Bike for Transportation
in Past Week (Weighted) – BIKD2**

Days Used Bike for Transportation in Past Week	Count	Percent
0	168650	77.8%
1	3483	1.6%
2	2284	1.1%
3	4095	1.9%
4	2226	1.0%
5	605	0.3%
6	114	0.1%
7	619	0.3%
Don't Know	19703	9.1%
Refused	14882	6.9%
Total	216661	100.0%

**MVPC-42: Bike Lanes/Trails Used (Weighted)
– BIKRD**

Bike Lanes/Trails Used for Non-Recreational Purposes	Count	Percent
Off-Road	12627	5.8%
On-Road	54661	25.2%
Both	48767	22.5%
Don't Know	78345	36.2%
Refused	22261	10.3%
Total	216661	100.0%

**MVPC-43: Internet was Used on Travel Day in
Place of Trips (Weighted)-INUSE**

Internet was used on Travel Day in Place of Trips	Count	Percent
Yes	19759	5.6%
No	311074	88.9%
Don't Know	18085	5.2%
Refused	967	0.3%
Total	349884	100.0%

MVPC-44: Reason for Non-Travel (Weighted)-NOGO

Reason for Non-Travel	Count	Percent
Personally Sick	7224	13.8%
Caretaking Sick Kids	1936	3.7%
Caretaking Sick Other	1011	1.9%
Homebound Elderly or Disabled	7850	15.0%
Worked at Home for Pay	1713	3.3%
Worked Around Home (Not for Pay)	13814	26.5%
Out of Area	2661	5.1%
Other, SPECIFY	15962	30.6%
Total	52169	100.0%

Vehicle Characteristics

MVPC-45: Vehicle Year (Weighted) – YEAR

Vehicle Year	Count	Percent
1964 or older	73	0.0%
1965-1979	1957	1.0%
1980-1989	3245	1.6%
1990-1999	36654	18.2%
2000-2003	55112	27.4%
2004-2006	46849	23.3%
2007	14543	7.2%
2008	12450	6.2%
2009	14041	7.0%
2010	12437	6.2%
2011	4052	2.0%
Total	201412	100.0%

MVPC-46: Vehicle Make (Weighted) – MAKE

Vehicle Make	Count	Percent
Acura	4320	2.1%
Audi	2622	1.3%
BMW	3956	1.9%
Buick	2677	1.3%
Cadillac	2823	1.4%
Chevrolet	13405	6.5%
Chrysler	5289	2.6%
Dodge	10123	4.9%
Ford	26491	12.9%
GMC	2816	1.4%
Harley Davidson	1166	0.6%
Honda	28510	13.9%
Hummer	180	0.1%
Hyundai	4707	2.3%
Infiniti	1642	0.8%
Isuzu	638	0.3%
Jaguar	451	0.2%
Jeep	4188	2.0%
Kawasaki	566	0.3%
Kia	2305	1.1%
Lexus	2682	1.3%
Lincoln	1233	0.6%
Mazda	2482	1.2%
Mercedes	2559	1.2%
Mercury	2547	1.2%
Mitsubishi	3197	1.6%
Nissan	6370	3.1%
Oldsmobile	1323	0.6%
Plymouth	886	0.4%

Pontiac	2577	1.3%
Porsche	538	0.3%
Range Rover	274	0.1%
Saab	2807	1.4%
Saturn	3477	1.7%
Scion	611	0.3%
Subaru	6981	3.4%
Suzuki	794	0.4%
Toyota	30385	14.8%
Volkswagen	5757	2.8%
Volvo	5419	2.6%
Yamaha	263	0.1%
Other, SPECIFY	2081	1.0%
Don't Know	948	0.5%
Total	205063	100.0%

MVPC-47: Vehicle Body Type (Weighted) – BODY

Vehicle Body Type	Count	Percent
Car/Station Wagon	102688	50.1%
Van (any type)	18562	9.1%
SUV	48590	23.7%
Pickup Truck	16354	8.0%
Other type of truck	363	0.2%
Motorcycle	2591	1.3%
Other, SPECIFY	504	0.2%
Refused	15412	7.5%
Total	205063	100.0%

MVPC-48: Vehicle Fuel Type (Weighted) - FUEL

Vehicle Fuel Type	Count	Percent
Gas	198728	96.9%
Diesel	2907	1.4%
Hybrid	2558	1.2%
Flex Fuel	759	0.4%
Don't Know	111	0.1%
Total	205063	100.0%

Place Characteristics

MVPC-49: Primary Trip Purpose (Weighted) – TPURP

Primary Trip Purpose	Count	Percent
All other home activities	748587	46.7%
Changed type of transportation	122442	7.6%
Work/Job	121981	7.6%
Routine shopping (groceries, clothing, convenience store, HH maintenance)	103210	6.4%
Attending Class	63513	4.0%
Visit friends/relatives	53548	3.3%
Eat meal outside of home	46292	2.9%
Drop off passenger from car	43304	2.7%
Health care (doctor, dentist)	40026	2.5%
Pick up passenger from car	39453	2.5%
Household errands (bank, dry cleaning, etc.)	36911	2.3%
Work Business Related	35425	2.2%
Indoor recreation/entertainment	34514	2.2%
Personal business (visit government office, attorney, accountant)	30194	1.9%
Outdoor recreation/entertainment	22885	1.4%
Service private vehicle (gas, oil lube, etc.)	17001	1.1%
Working at home (for pay)	12834	0.8%
Civic/Religious activities	12262	0.8%
Shopping for major purchases or specialty items (appliance, electronics, new vehicle, major HH repairs)	6254	0.4%
All other School Activities	5065	0.3%
All other activities at work	3099	0.2%
Loop trip	2563	0.2%
Other, SPECIFY	1317	0.1%
Volunteer Work/Activities	346	0.0%
While Traveling -- Other, Specify	0	0.0%
Total	1603025	100.0%

MVPC-50: Total People Traveling in Travel Party, Including Respondent (Weighted) – TOTTR

Total People Traveling	Count	Percent
1 person	644657	55.0%
2 persons	314851	26.9%
3 persons	141988	12.1%
4 persons	55268	4.7%
5 persons	14832	1.3%
Total	1171597	100.0%

MVPC-51: Parking Location (Weighted) – PRKTY

Parking Location	Count	Percent
Parking Lot	418222	44.6%
Parking Garage	16217	1.7%
Street	70822	7.5%
Driveway/personal garage	327679	34.9%
Did not park	95233	10.1%
Other, SPECIFY	3333	0.4%
Don't Know	6797	0.7%
Refused	325	0.0%
Total	938629	100.0%

MVPC-52: Paid to Park (Weighted) – PRKCS

Paid to Park	Count	Percent
Did not Pay	831349	88.6%
Did Pay, record amount	8777	0.9%
Don't Know	4626	0.5%
Refused	93877	10.0%
Total	938629	100.0%

MVPC-53: How Parking Fare was Paid (Weighted) – PRKHW

How Parking Fare was Paid	Count	Percent
Cash/Credit/Debit Card	7487	85.3%
Per-Paid parking Pass	1017	11.6%
Employer-Provided Parking Pass	274	3.1%
Total	8777	100.0%

MVPC-54: Toll Road Used on Trip (Weighted) – TOLL (Use a Toll road)?

Use a Toll Road	Count	Percent
Yes	7111	0.8%
No	900455	95.9%
Don't Know	30425	3.2%
Refused	638	0.1%
Total	938629	100.0%

MVPC-55: Toll Road Used (Weighted) – TOLLT (Which Toll road was used)?

Which Toll Road was Used	Count	Percent
Turnpike	4017	56.5%
Ted Williams Tunnel	283	4.0%
Sumner Tunnel	713	10.0%
Tobin Tunnel	2099	29.5%
Total	7111	100.0%

Travel Behavior

MVPC-56: Average Household and Person Trip Rates (Weighted)

	Average Trip Rate
Household	10.6
Person	4.1

MVPC-57: Trip Rates by Household Size (Weighted)

Household Size	Trip Rate
1	4.5
2	8.3
3	13.6
4	17.5
5	22.2
6	26.6
7	24.8
8 or more	29.8
Total	10.6

MVPC-58: Trip Rates by Number of Household Workers (Weighted)

Household Workers	Trip Rate
0	6.6
1	9.7
2	13.1
3	16.8
4	22.0
5	27.2
6	22.7
Total	10.6

MVPC-59: Trip Rates by Household Income (Weighted)

Household Income	Trip Rate
Less than \$15,000	8.3
\$15,000-\$24,999	9.2
\$25,000-\$34,999	8.4
\$35,000-\$49,999	9.4
\$50,000-\$74,999	10.2
\$75,000-\$99,999	11.4
\$100,000-\$149,999	13.2
\$150,000 or more	13.3
Don't Know/Refused	9.8
Total	10.6

MVPC-60: All Trip Modes (Weighted)

Transportation Mode	Count	Percent
Walk	160631	12.8%
Bike	5863	0.5%
Auto/Van/Truck Driver	673166	53.7%
Auto/Van/Truck Passenger	264544	21.1%
Public Bus	39638	3.2%
Train	18524	1.5%
Ferry/boat	540	0.0%
Dial-A-Ride/Paratransit	3726	0.3%
Taxi	30199	2.4%
School bus	51533	4.1%
Motorcycle Driver	317	0.0%
Motorcycle Passenger	603	0.0%
Other, SPECIFY	4047	0.3%
Total	1253329	100.0%

MVPC-61: Mode to Work (Weighted)

Mode to Work	Count	Percent
Works from home	9509	6.0%
Walk	6001	3.8%
Bike	524	0.3%
Auto/Van/Truck Driver	119968	75.1%
Auto/Van/Truck Passenger	10014	6.3%
Bus / Public Transit	10144	6.3%
Dial-A-Ride/Paratransit	606	0.4%
Taxi	1038	0.6%
Other, SPECIFY	1376	0.9%
Don't Know	591	0.4%
Total	159771	100.0%

MVPC-62: Mode to School (Weighted)

Mode to School	Count	Percent
Home schooled	180	0.2%
Walk	15390	13.7%
Bike	530	0.5%
Auto/Van/Truck Driver	19653	17.5%
Auto/Van/Truck Passenger	31481	28.0%
Bus / Public Transit	5282	4.7%
Dial-A-Ride/Paratransit	314	0.3%
School Bus	37659	33.5%
Other, SPECIFY	1361	1.2%
Don't Know	541	0.5%
Total	112391	100.0%

Survey Results for Northern Middlesex MPO (NMCOG)

Household Characteristics

NMCOG-1: Household Size (Weighted) – HHSIZ

Household Size	Count	Percent
1	24142	24.0%
2	29693	29.5%
3	19731	19.6%
4	18600	18.5%
5	6745	6.7%
6	828	0.8%
7	781	0.8%
8 or More	204	0.2%
Total	100723	100.0%

NMCOG-2: Transit Used on Regular Basis (Weighted) –RIBUS

Transit Used on Regular Basis	Count	Percent
Yes	15202	15.1%
No	85521	84.9%
Total	100723	100.0%

NMCOG-3: Household Bicycles (Weighted) – HHBIC

Household Bicycles	Count	Percent
0	41193	40.9%
1	14153	14.1%
2	19840	19.7%
3	10431	10.4%
4	9182	9.1%
5	3248	3.2%
6	1038	1.0%
7	662	0.7%
8	864	0.9%
Don't Know	112	0.1%
Total	100723	100.0%

NMCOG-4: Household Number of Vehicles (Weighted)-HHVEH

Household Vehicles	Count	Percent
0	7340	7.3%
1	25321	25.1%
2	46228	45.9%
3	14410	14.3%
4	5263	5.2%
5	1141	1.1%
6	877	0.9%
7	144	0.1%
Total	100723	100.0%

NMCOG-5: Household Ethnicity (Weighted)- RACE

Household Ethnicity	Count	Percent
White Alone	92876	92.2%
Black or African American Alone	1672	1.7%
American Indian or Alaskan Native Alone	139	0.1%
Asian Alone	2563	2.5%
Some Other Race Alone	1435	1.4%
Two or More Races	899	0.9%
Refused	1138	1.1%
Total	100723	100.0%

NMCOG-6: Hispanic or Latino Households (Weighted) – HISP

Hispanic or Latino Household	Count	Percent
Yes	2164	2.1%
No	98197	97.5%
Refused	362	0.4%
Total	100723	100.0%

NMCOG-7: Household Residence Type (Weighted)-RETY

Household Residence Type	Count	Percent
Single Family Detached Dwelling	73967	73.4%
Building with 2-4 Units	10930	10.9%
Building with 5-19 Units	7564	7.5%
Building with 20 or More Units	7372	7.3%
or Something Else?	303	0.3%
DK	406	0.4%
RF	182	0.2%
Total	100723	100.0%

NMCOG-8: Ownership of Household Residence (Weighted) – OWN

Home Ownership	Count	Percent
Own/Mortgaged	83736	83.1%
Renter	16805	16.7%
Refused	182	0.2%
Total	100723	100.0%

NMCOG-9: Cell phone lines in Household (Weighted) – CPLNS

Cell Phones in Household	Count	Percent
0	7327	7.3%
1	23366	23.2%
2	38411	38.1%
3	16569	16.4%
4	11703	11.6%
5	2775	2.8%
6	389	0.4%
Refused	182	0.2%
Total	100723	100.0%

NMCOG-10: Landlines in Household (Weighted)-PHLNS

Landlines in Household	Count	Percent
0	723	0.7%
1	91883	91.2%
2	6866	6.8%
3	1069	1.1%
Refused	182	0.2%
Total	100723	100.0%

**NMCOG-11: Fax Lines in Household
(Weighted) – FXLNS**

Fax Lines in Household	Count	Percent
0	4146	51.1%
1	3789	46.7%
Refused	182	2.2%
Total	8117	100.0%

**NMCOG-12: Household Income (Weighted)
– INCOME**

Household Income	Count	Percent
Less than \$15,000	9021	9.0%
\$15,000-\$24,999	6652	6.6%
\$25,000-\$34,999	7248	7.2%
\$35,000-\$49,999	11193	11.1%
\$50,000-\$74,999	16727	16.6%
\$75,000-\$99,999	20408	20.3%
\$100,000-\$149,999	13480	13.4%
\$150,000 or more	11172	11.1%
Don't Know/Refused	4822	4.8%
Total	100723	100.0%

**NMCOG-13: Trips Made by Household on
Travel Day (Weighted) – HTRIPS**

Trips Made by Household on Travel Day	Count	Percent
None	3994	4.0%
1 to 5	30709	30.5%
6 to 10	28732	28.5%
11 to 15	17230	17.1%
16 to 20	9936	9.9%
21 to 30	8678	8.6%
31 to 50	1248	1.2%
50+	196	0.2%
Total	100723	100.0%

**NMCOG-14: Household Students (Weighted)
– HHSTU**

Household Students	Count	Percent
0	59522	59.1%
1	16732	16.6%
2	17175	17.1%
3	5335	5.3%
4	1598	1.6%
5	361	0.4%
Total	100723	100.0%

**NMCOG-15: Household Workers (Weighted)
– HHWRK**

Household Workers	Count	Percent
0	22140	22.0%
1	36223	36.0%
2	32336	32.1%
3	8034	8.0%
4	1889	1.9%
6	102	0.1%
Total	100723	100.0%

**NMCOG-16: Licensed Drivers in Household
(Weighted) –HHLIC**

Licensed Drivers in Household	Count	Percent
0	5305	5.3%
1	27257	27.1%
2	49376	49.0%
3	14295	14.2%
4	3662	3.6%
5	828	0.8%
Total	100723	100.0%

NMCOG-17: Distribution of Households by Day of Week of Travel (Weighted) – DAY

Day of Week of Travel	Count	Percent
Monday	21389	21.2%
Tuesday	20475	20.3%
Wednesday	16960	16.8%
Thursday	20506	20.4%
Friday	21393	21.2%
Total	100723	100.0%

Person Characteristics

NMCOG-18: Respondent Gender (Weighted) – GEND

Respondent Gender	Count	Percent
Male	127322	47.6%
Female	139958	52.4%
Total	267280	100.0%

NMCOG-19: Age Distribution (Weighted) – AGE

Age Distribution	Count	Percent
Younger than 20	73978	27.7%
20 to 34 years	47683	17.8%
35 to 54 years	82093	30.7%
55 to 64 years	29346	11.0%
65 years or older	28918	10.8%
Refused Age	5262	2.0%
Total	267280	100.0%

NMCOG-20: Valid Driver's License (Weighted)-LIC

Valid Driver's License	Count	Percent
Yes	189429	89.7%
No	21681	10.3%
Total	211110	100.0%

NMCOG-21: Respondent has Transit Pass (Weighted) – TRANS

Respondent has Transit Pass	Count	Percent
Yes	25938	12.3%
No	184668	87.5%
Don't Know	504	0.2%
Total	211110	100.0%

NMCOG-22: Transit Pass Type (Weighted)-PASST1, PASST2, PASST3

Transit Pass Type, Multiple Response	Count	Percent
Local Bus Pass	2245	8.7%
Link Pass	676	2.6%
Inner Express Bus Pass	629	2.4%
Outer Express Bus Pass	82	0.3%
Commuter Rail Pass	2970	11.4%
Charlie Card	14731	56.8%
Other, specify	3495	13.5%
Don't Know	928	3.6%
Refused	183	0.7%
Total	25938	100.0%

NMCOG-23: Worker Status, Computed (Weighted) – WORKS

Worker Status, Computed	Count	Percent
Yes	133818	63.4%
No	77292	36.6%
Total	211110	100.0%

NMCOG-24: Employment Status, Non-workers (Weighted) – WKSTAT

Employment Status, Non-workers	Count	Percent
Retired	26591	34.4%
Disabled/On Disability Status	9334	12.1%
Homemaker	9352	12.1%
Unemployed but looking for work	12291	15.9%
Unemployed and not looking for work	1716	2.2%
Student	17515	22.7%
Refused	494	0.6%
Total	77292	100.0%

NMCOG-25: Average Number of Jobs (Weighted)-JOBS

Jobs	Average
Average Number of Jobs	1.81

NMCOG-26: Hours Worked per Day (Weighted) - HOURS

Hours Worked per Day	Count	Percent
1	1288	1.0%
2	2063	1.5%
3	2816	2.1%
4	5793	4.3%
5	6018	4.5%
6	8471	6.3%
7	7845	5.9%
8	59267	44.3%
9	15841	11.8%
10	14307	10.7%
11	1463	1.1%
12	4887	3.7%
13	119	0.1%
14	168	0.1%
15	137	0.1%
16	163	0.1%
18	258	0.2%
20	147	0.1%
24	112	0.1%
Don't Know	902	0.7%
Refused	1751	1.3%
Total	133818	100.0%

NMCOG-27: Respondent Average Number of Days Worked Per Week (Weighted) – WDAYS

Days Worked Per Week	Count	Percent
1	3072	2.3%
2	4528	3.4%
3	8912	6.7%
4	10557	7.9%
5	97046	72.5%
6	7290	5.4%
7	1971	1.5%
Don't Know	163	0.1%
Refused	278	0.2%
Total	133818	100.0%

**NMCOG-28: Telecommute Status
(Weighted) - TELEW**

Worker Telecommutes	Count	Percent
Yes	26842	20.1%
No	102328	76.5%
Don't Know	4370	3.3%
Refused	278	0.2%
Total	133818	100.0%

**NMCOG-29: Flexible Work Program Offered
at Work (Weighted) – SCHED**

Flexible Work Program Offered at Work	Count	Percent
Yes	33338	24.9%
No	93655	70.0%
Don't Know	6480	4.8%
Refused	344	0.3%
Total	133818	100.0%

**NMCOG-30: Type of Flexible Work Programs
Offered, Multiple Response (Weighted)-
FLEXP1, FLEXP2, FLEXP3**

Type of Flexible Work Programs Offered, Multiple Response	Count	Percent
9/80 Work Period	3516	10.4%
Early Arrival/Departure	11521	34.1%
4/40 Work Week	1794	5.3%
Flexible Hours	7950	23.5%
Other, Specify	3762	11.1%
Don't Know	3822	11.3%
Refused	1401	4.1%
Total	33766	100.0%

**NMCOG-31: Respondent Participates in
Flexible Work Program (Weighted)-FLEXT**

Respondent Participates in Flexible Work Program	Count	Percent
Yes	26993	81.0%
No	5586	16.8%
Don't Know	759	2.3%
Total	33338	100.0%

**NMCOG-32: Disabled License Plate
(Weighted)- EDISA**

Disabled License Plate	Count	Percent
Yes	11474	4.6%
No	236961	94.3%
Don't Know	1656	0.7%
Refused	1139	0.5%
Total	251230	100.0%

**NMCOG-33: Disabled Transit Registration
(Weighted) –EDIS2**

Disabled Transit Registration	Count	Percent
Yes	4166	1.7%
No	245636	97.8%
Don't Know	290	0.1%
Refused	1139	0.5%
Total	251230	100.0%

NMCOG-34: Level of Education Completed (Weighted) –EDUCA

Level of Education Completed	Count	Percent
Not a high school graduate, 12th grade or less. (Includes very young children)	73717	27.6%
High school graduate (high school diploma or GED)	48713	18.2%
Some college credit but no degree	28312	10.6%
Associate or technical school degree	22226	8.3%
Bachelor's or undergraduate degree	52159	19.5%
Graduate Degree (includes professional degrees, MD, DDs, JD)	41463	15.5%
Other, SPECIFY	258	0.1%
Don't Know	432	0.2%
Total	267280	100.0%

NMCOG-35: School Enrollment Status (Weighted)-ENROL

School Enrollment Status	Count	Percent
Yes	83059	31.1%
No	184221	68.9%
Total	267280	100.0%

NMCOG-36: Full-time / Part-time Student Status (Weighted)-FPTIM

Full-time / Part-time Student Status	Count	Percent
Part-time	14699	17.7%
Full-time	68289	82.2%
Refused	71	0.1%
Total	83059	100.0%

NMCOG-37: Student Grade Level Attends (Weighted)-SCHOL

Student Grade Level	Count	Percent
Daycare	2235	2.7%
Nursery School, Preschool	3735	4.5%
Kindergarten to Grade 8	33021	39.8%
Grade 9 to 12	21807	26.3%
Technical/Vocational School	726	0.9%
Two-year college (community college)	4547	5.5%
4-year college or university	11533	13.9%
Graduate School/Professional	5007	6.0%
Other, SPECIFY	337	0.4%
Don't Know/Refused	112	0.1%
Total	83059	100.0%

**NMCOG-38: Transit Trips Made in Past Week
(Weighted)- TTRIP**

Transit Trips Made in Past Week	Count	Percent
0	217605	81.4%
1	3498	1.3%
2	11100	4.2%
3	1274	0.5%
4	5369	2.0%
5	2060	0.8%
6	2258	0.8%
7	1006	0.4%
8	1727	0.6%
9	93	0.0%
10	10449	3.9%
12	1009	0.4%
14	1165	0.4%
15	914	0.3%
16	455	0.2%
17	403	0.2%
20	1113	0.4%
24	217	0.1%
25	135	0.1%
28	243	0.1%
30	919	0.3%
52	124	0.0%
60	148	0.1%
Don't Know	3147	1.2%
Refused	848	0.3%
Total	267280	100.0%

**NMCOG-39: Bike Facilities Available at
Work/School (Weighted)- BIKFA**

Bike Facilities Available at Work/School	Count	Percent
Yes	76830	38.7%
No	89304	45.0%
Don't Know	29053	14.6%
Refused	3408	1.7%
Total	198595	100.0%

**NMCOG-40: Days Used Bike for Recreation
in Past Week (Weighted)- BIKD1**

Days Used Bike for Recreation in Past Week	Count	Percent
0	131515	71.5%
1	10826	5.9%
2	6158	3.3%
3	4450	2.4%
4	2555	1.4%
5	1098	0.6%
6	92	0.0%
7	1289	0.7%
Don't Know	14273	7.8%
Refused	11792	6.4%
Total	184048	100.0%

**NMCOG-41: Days Used Bike for
Transportation in Past Week (Weighted) –
BIKD2**

Days Used Bike for Transportation in Past Week	Count	Percent
0	151362	82.2%
1	1852	1.0%
2	1788	1.0%
3	855	0.5%
4	492	0.3%
5	151362	82.2%
6	0	0%
7	636	0.3%
Don't Know	15505	8.4%
Refused	11557	6.3%
Total	184048	100.0%

**NMCOG-42: Bike Lanes/Trails Used
(Weighted) – BIKRD**

Bike Lanes/Trails Used for Non-Recreational Purposes	Count	Percent
Off-Road	28503	15.5%
On-Road	38765	21.1%
Both	42457	23.1%
Don't Know	54879	29.8%
Refused	19444	10.6%
Total	184048	100.0%

**NMCOG-43: Internet was Used on Travel Day
in Place of Trips (Weighted)-INUSE**

Internet was used on Travel Day in Place of Trips	Count	Percent
Yes	13190	4.9%
No	238656	89.3%
Don't Know	14778	5.5%
Refused	655	0.2%
Total	267280	100.0%

**NMCOG-44: Reason for Non-Travel
(Weighted)-NOGO**

Reason for Non-Travel	Count	Percent
Personally Sick	6049	18.3%
Caretaking Sick Kids	408	1.2%
Caretaking Sick Other	211	0.6%
Homebound Elderly or Disabled	4357	13.2%
Worked at Home for Pay	2079	6.3%
Worked Around Home (Not for Pay)	9984	30.2%
Out of Area	3149	9.5%
Other, SPECIFY	6873	20.8%
Total	33110	100.0%

Vehicle Characteristics

NMCOG-45: Vehicle Year (Weighted) – YEAR

Vehicle Year	Count	Percent
1964 or older	113	0.1%
1965-1979	1537	0.8%
1980-1989	3636	1.9%
1990-1999	35812	19.0%
2000-2003	48833	25.9%
2004-2006	47009	24.9%
2007	14998	8.0%
2008	15146	8.0%
2009	8277	4.4%
2010	10321	5.5%
2011	2839	1.5%
Total	188520	100.0%

NMCOG-46: Vehicle Make (Weighted) – MAKE

Vehicle Make	Count	Percent
Acura	2163	1.1%
Audi	504	0.3%
BMW	2448	1.3%
Buick	5228	2.7%
Cadillac	2056	1.1%
Chevrolet	15180	7.8%
Chrysler	4773	2.5%
Dodge	8479	4.4%
Ford	23711	12.2%
GMC	1856	1.0%
Harley Davidson	2722	1.4%
Honda	23525	12.1%
Hummer	141	0.1%
Hyundai	4071	2.1%
Infiniti	763	0.4%
Isuzu	635	0.3%
Jaguar	242	0.1%
Jeep	5739	3.0%
Kawasaki	436	0.2%
Kia	2465	1.3%
Lexus	2566	1.3%
Lincoln	972	0.5%
Mazda	3497	1.8%

Vehicle Make	Count	Percent
Mercedes	802	0.4%
Mercury	4520	2.3%
Mitsubishi	102	0.1%
Nissan	6602	3.4%
Oldsmobile	757	0.4%
Pontiac	2621	1.4%
Porsche	144	0.1%
Saab	806	0.4%
Saturn	6805	3.5%
Scion	577	0.3%
Subaru	5406	2.8%
Suzuki	1446	0.7%
Toyota	38922	20.1%
Volkswagen	3215	1.7%
Volvo	3935	2.0%
Yamaha	355	0.2%
Other, SPECIFY	1934	1.0%
Don't Know	912	0.5%
Total	194031	100.0%

**NMCOG-47: Vehicle Body Type (Weighted)
– BODY**

Vehicle Body Type	Count	Percent
Car/Station Wagon	99393	51.2%
Van (any type)	14306	7.4%
SUV	46968	24.2%
Pickup Truck	19604	10.1%
Other type of truck	669	0.3%
RV	241	0.1%
Motorcycle	4317	2.2%
Refused	8533	4.4%
Total	194031	100.0%

**NMCOG-48: Vehicle Fuel Type (Weighted) -
FUEL**

Vehicle Fuel Type	Count	Percent
Gas	188549	97.2%
Diesel	1737	0.9%
Hybrid	2523	1.3%
Flex Fuel	375	0.2%
Other, SPECIFY	304	0.2%
Don't Know	544	0.3%
Total	194031	100.0%

Place Characteristics

NMCOG-49: Primary Trip Purpose (Weighted) – TPURP

Primary Trip Purpose	Count	Percent
All other home activities	592512	46.6%
Work/Job	100789	7.9%
Routine shopping (groceries, clothing, convenience store, HH maintenance)	83520	6.6%
Changed type of transportation	71400	5.6%
Attending Class	49260	3.9%
Visit friends/relatives	39771	3.1%
Eat meal outside of home	38937	3.1%
Indoor recreation/entertainment	35991	2.8%
Drop off passenger from car	35140	2.8%
Household errands (bank, dry cleaning, etc.)	34045	2.7%
Pick up passenger from car	31108	2.4%
Work Business Related	30335	2.4%
Personal business (visit government office, attorney, accountant)	30332	2.4%
Outdoor recreation/entertainment	25071	2.0%
Health care (doctor, dentist)	23528	1.8%
Service private vehicle (gas, oil lube, etc.)	12486	1.0%
Shopping for major purchases or specialty items (appliance, electronics, new vehicle, major HH repairs)	9432	0.7%
Working at home (for pay)	8054	0.6%
Civic/Religious activities	6472	0.5%
Loop trip	4722	0.4%
All other School Activities	3698	0.3%
All other activities at work	3363	0.3%
Other, SPECIFY	1720	0.1%
Volunteer Work/Activities	202	0.0%
While Traveling -- Other, Specify	0	0.0%
Total	1271888	100.0%

NMCOG-50: Total People Traveling in Travel Party, Including Respondent (Weighted) – TOTTR

Total People Traveling	Count	Percent
1 person	542257	56.7%
2 persons	222294	23.2%
3 persons	102167	10.7%
4 persons	54269	5.7%
5 persons	35798	3.7%
Total	956785	100.0%

NMCOG-51: Parking Location (Weighted) – PRKTY

Parking Location	Count	Percent
Parking Lot	411281	49.5%
Parking Garage	13096	1.6%
Street	41700	5.0%
Driveway/personal garage	290909	35.0%
Did not park	64728	7.8%
Other, SPECIFY	997	0.1%
Don't Know	7505	0.9%
Refused	375	0.0%
Total	830591	100.0%

NMCOG-52: Paid to Park (Weighted) – PRKCS

Paid to Park	Count	Percent
Did not Pay	751417	90.5%
Did Pay, record amount	10151	1.2%
Don't Know	4178	0.5%
Refused	64845	7.8%
Total	830591	100.0%

NMCOG-53: How Parking Fare was Paid (Weighted) – PRKHW

How Parking Fare was Paid	Count	Percent
Cash/Credit/Debit Card	6589	64.9%
Per-Paid parking Pass	2825	27.8%
Employer-Provided Parking Pass	738	7.3%
Total	10151	100.0%

NMCOG-54: Toll Road Used on Trip (Weighted) – TOLL (Use a Toll road)?

Use a Toll Road	Count	Percent
Yes	5099	0.6%
No	814647	98.1%
Don't Know	10470	1.3%
Refused	375	0.0%
Total	830591	100.0%

NMCOG-55: Toll Road Used (Weighted) – TOLLT (Which Toll road was used)?

Which Toll Road was Used	Count	Percent
Turnpike	5015	98.4%
Sumner Tunnel	84	1.6%
Total	5099	100.0%

Travel Behavior

NMCOG-56: Average Household and Person Trip Rates (Weighted)

	Average Trip Rate
Household	10.6
Person	4.1

NMCOG-57: Trip Rates by Household Size (Weighted)

Household Size	Trip Rate
1	4.5
2	8.3
3	13.6
4	17.5
5	22.2
6	26.6
7	24.8
8 or more	29.8
Total	10.6

NMCOG-58: Trip Rates by Number of Household Workers (Weighted)

Household Workers	Trip Rate
0	6.6
1	9.7
2	13.1
3	16.8
4	22.0
5	27.2
6	22.7
Total	10.6

NMCOG-59: Trip Rates by Household Income (Weighted)

Household Income	Trip Rate
Less than \$15,000	8.3
\$15,000-\$24,999	9.2
\$25,000-\$34,999	8.4
\$35,000-\$49,999	9.4
\$50,000-\$74,999	10.2
\$75,000-\$99,999	11.4
\$100,000-\$149,999	13.2
\$150,000 or more	13.3
Don't Know/Refused	9.8
Total	10.6

NMCOG-60: All Trip Modes (Weighted)

Transportation Mode	Count	Percent
Walk	84623	8.4%
Bike	6162	0.6%
Auto/Van/Truck Driver	610735	60.8%
Auto/Van/Truck Passenger	219269	21.8%
Public Bus	19212	1.9%
Train	12801	1.3%
Ferry/boat	795	0.1%
Dial-A-Ride/Paratransit	581	0.1%
Taxi	1016	0.1%
School bus	46808	4.7%
Motorcycle Driver	586	0.1%
Other, SPECIFY	2020	0.2%
Total	1004608	100.0%

NMCOG-61: Mode to Work (Weighted)

Mode to Work	Count	Percent
Works from home	8224	6.1%
Walk	2077	1.6%
Bike	289	0.2%
Auto/Van/Truck Driver	111578	83.4%
Auto/Van/Truck Passenger	5470	4.1%
Bus / Public Transit	3782	2.8%
Dial-A-Ride/Paratransit	406	0.3%
Taxi	118	0.1%
Other, SPECIFY	1197	0.9%
Don't Know	421	0.3%
Refused	256	0.2%
Total	133818	100.0%

NMCOG-62: Mode to School (Weighted)

Mode to School	Count	Percent
Home schooled	1651	2.0%
Walk	5113	6.2%
Bike	145	0.2%
Auto/Van/Truck Driver	18094	21.8%
Auto/Van/Truck Passenger	21388	25.7%
Bus / Public Transit	2423	2.9%
School Bus	33708	40.6%
Other, SPECIFY	349	0.4%
Don't Know	188	0.2%
Total	83059	100.0%

Survey Results for Cape Cod MPO (CCC)

Household Characteristics

CCC-1: Household Size (Weighted) – HHSIZ

Household Size	Count	Percent
1	34620	35.3%
2	40043	40.8%
3	10595	10.8%
4	8742	8.9%
5	3155	3.2%
6	152	0.2%
7	656	0.7%
8 or More	201	0.2%
Total	98164	100.0%

CCC-2: Transit Used on Regular Basis (Weighted) –RIBUS

Transit Used on Regular Basis	Count	Percent
Yes	10748	10.9%
No	87416	89.1%
Total	98164	100.0%

CCC-3: Household Bicycles (Weighted) – HHBIC

Household Bicycles	Count	Percent
0	38266	39.0%
1	17137	17.5%
2	21338	21.7%
3	8568	8.7%
4	7783	7.9%
5	2410	2.5%
6	1703	1.7%
7	319	0.3%
8	424	0.4%
Don't Know	217	0.2%
Total	98164	100.0%

CCC-4: Household Number of Vehicles (Weighted)-HHVEH

Household Vehicles	Count	Percent
0	5608	5.7%
1	38330	39.0%
2	39889	40.6%
3	9531	9.7%
4	3635	3.7%
5	878	0.9%
6	293	0.3%
Total	98164	100.0%

CCC-5: Household Ethnicity (Weighted)- RACE

Household Ethnicity	Count	Percent
White Alone	93554	95.3%
Black or African American Alone	780	0.8%
Asian Alone	211	0.2%
Some Other Race Alone	904	0.9%
Two or More Races	816	0.8%
Refused	1900	1.9%
Total	98164	100.0%

CCC-6: Hispanic or Latino Households (Weighted) – HISP

Hispanic or Latino Household	Count	Percent
Yes	1813	1.8%
No	95219	97.0%
RF	1132	1.2%
Total	98164	100.0%

CCC-7: Household Residence Type (Weighted)-RESTY

Household Residence Type	Count	Percent
Single Family Detached Dwelling	82372	83.9%
Building with 2-4 Units	7477	7.6%
Building with 5-19 Units	3619	3.7%
Building with 20 or More Units	3952	4.0%
or Something Else?	527	0.5%
RF	217	0.2%
Total	98164	100.0%

CCC-8: Ownership of Household Residence (Weighted) – OWN

Home Ownership	Count	Percent
Own/Mortgaged	81985	83.5%
Renter	15330	15.6%
Other, Specify	337	0.3%
DK	512	0.5%
Total	98164	100.0%

CCC-9: Cell phone lines in Household (Weighted) – CPLNS

Cell Phones in Household	Count	Percent
0	7330	7.5%
1	36804	37.5%
2	35444	36.1%
3	9349	9.5%
4	6915	7.0%
5	1442	1.5%
6	116	0.1%
Don't Know	627	0.6%
Refused	138	0.1%
Total	98164	100.0%

CCC-10: Landlines in Household (Weighted)-PHLNS

Landlines in Household	Count	Percent
0	182	0.2%
1	88260	89.9%
2	7219	7.4%
3	1893	1.9%
4	231	0.2%
5	0	0%
6	195	0.2%
7	0	0%
8	0	0%
9	0	0%
10	184	0.2%
Total	98164	100.0%

**CCC-11: Fax Lines in Household (Weighted)
– FXLNS**

Fax Lines in Household	Count	Percent
0	3401	35.0%
1	5845	60.1%
2	130	1.3%
Don't Know	346	3.6%
Total	9722	100.0%

**CCC-12: Household Income (Weighted) –
INCOME**

Household Income	Count	Percent
Less than \$15,000	11965	12.2%
\$15,000-\$24,999	10236	10.4%
\$25,000-\$34,999	12532	12.8%
\$35,000-\$49,999	13473	13.7%
\$50,000-\$74,999	15240	15.5%
\$75,000-\$99,999	13316	13.6%
\$100,000-\$149,999	9880	10.1%
\$150,000 or more	7408	7.5%
Don't Know/Refused	4113	4.2%
Total	98164	100.0%

**CCC-13: Trips Made by Household on Travel
Day (Weighted) – HTRIPS**

Trips Made by Household on Travel Day	Count	Percent
None	9393	9.6%
1 to 5	30265	30.8%
6 to 10	31790	32.4%
11 to 15	14410	14.7%
16 to 20	6608	6.7%
21 to 30	4902	5.0%
31 to 50	796	0.8%
Total	98164	100.0%

**CCC-14: Household Students (Weighted) –
HHSTU**

Household Students	Count	Percent
0	77083	78.5%
1	10918	11.1%
2	6729	6.9%
3	2776	2.8%
4	457	0.5%
5	201	0.2%
Total	98164	100.0%

CCC-15: Household Workers (Weighted) – HHWRK

Household Workers	Count	Percent
0	39360	40.1%
1	30671	31.2%
2	21100	21.5%
3	5779	5.9%
4	1103	1.1%
5	151	0.2%
Total	98164	100.0%

CCC-16: Licensed Drivers in Household (Weighted) –HHLIC

Licensed Drivers in Household	Count	Percent
0	4489	4.6%
1	37684	38.4%
2	46240	47.1%
3	6493	6.6%
4	3037	3.1%
5	220	0.2%
Total	98164	100.0%

CCC-17: Distribution of Households by Day of Week of Travel (Weighted) – DAY

Day of Week of Travel	Count	Percent
Monday	20882	21.3%
Tuesday	16571	16.9%
Wednesday	17373	17.7%
Thursday	20869	21.3%
Friday	22469	22.9%
Total	98164	100.0%

Person Characteristics

CCC-18: Respondent Gender (Weighted) – GEND

Respondent Gender	Count	Percent
Male	93485	46.6%
Female	106887	53.3%
Refused	169	0.1%
Total	200541	100.0%

CCC-19: Age Distribution (Weighted) –AGE

Age Distribution	Count	Percent
Younger than 20	32248	16.1%
20 to 34 years	29854	14.9%
35 to 54 years	46597	23.2%
55 to 64 years	30713	15.3%
65 years or older	59072	29.5%
Refused Age	2055	1.0%
Total	200541	100.0%

CCC-20: Valid Driver's License (Weighted)- LIC

Valid Driver's License	Count	Percent
Yes	157964	90.4%
No	16708	9.6%
Total	174673	100.0%

CCC-21: Respondent has Transit Pass (Weighted) – TRANS

Respondent has Transit Pass	Count	Percent
Yes	13614	7.8%
No	160890	92.1%
Don't Know	169	0.1%
Total	174673	100.0%

CCC-22: Transit Pass Type (Weighted)- PASST1, PASST2, PASST3

Transit Pass Type, Multiple Response	Count	Percent
Local Bus Pass	2743	20.2%
Commuter Rail Pass	66	0.5%
Charlie Card	6276	46.1%
Other, specify	3323	24.4%
Don't Know	689	5.1%
Refused	516	3.8%
Total	13614	100.0%

CCC-23: Worker Status, Computed (Weighted) – WORKS

Worker Status, Computed	Count	Percent
Yes	92029	52.7%
No	82644	47.3%
Total	174673	100.0%

**CCC-24: Employment Status, Non-workers
(Weighted) – WKSTAT**

Employment Status, Non workers	Count	Percent
Retired	56115	67.9%
Disabled/On Disability Status	8937	10.8%
Homemaker	4846	5.9%
Unemployed but looking for work	7929	9.6%
Unemployed and not looking for work	1796	2.2%
Student	3021	3.7%
Total	82644	100.0%

**CCC-25: Average Number of Jobs
(Weighted)-JOBS**

Jobs	Average
Average Number of Jobs	1.13

**CCC-26: Hours Worked per Day (Weighted)
- HOURS**

Hours Worked per Day	Count	Percent
1	873	0.9%
2	1205	1.3%
3	2117	2.3%
4	8109	8.8%
5	5704	6.2%
6	7406	8.0%
7	5550	6.0%
8	38735	42.1%
9	8414	9.1%
10	8818	9.6%
11	250	0.3%
12	2185	2.4%
13	120	0.1%
14	200	0.2%
15	587	0.6%
20	289	0.3%
DK	1237	1.3%
RF	231	0.3%
Total	92029	100.0%

**CCC-27: Respondent Average Number of
Days Worked Per Week (Weighted) – WDAY**

Days Worked Per Week	Count	Percent
1	1533	1.7%
2	3614	3.9%
3	9712	10.6%
4	11838	12.9%
5	49887	54.2%
6	10654	11.6%
7	4168	4.5%
Don't Know	393	0.4%
Refused	231	0.3%
Total	92029	100.0%

**CCC-28: Telecommute Status (Weighted) -
TELEW**

Worker Telecommutes	Count	Percent
Yes	17247	18.7%
No	71642	77.8%
Don't Know	2909	3.2%
Refused	231	0.3%
Total	92029	100.0%

**CCC-29: Flexible Work Program Offered at
Work (Weighted) – SCHED**

Flexible Work Program Offered at Work	Count	Percent
Yes	15104	16.4%
No	71465	77.7%
Don't Know	5230	5.7%
Refused	231	0.3%
Total	92029	100.0%

**CCC-30: Type of Flexible Work Programs
Offered, Multiple Response (Weighted)-
FLEXP1, FLEXP2, FLEXP3**

Type of Flexible Work Programs Offered, Multiple Response	Count	Percent
9/80 Work Period	743	4.6%
Early Arrival/Departure	4316	26.5%
4/40 Work Week	1467	9.0%
Flexible Hours	4851	29.8%
Other, Specify	3033	18.7%
Don't Know	1668	10.3%
Refused	182	1.1%
Total	16260	100.0%

**CCC-31: Respondent Participates in Flexible
Work Program (Weighted)-FLEXT**

Respondent Participates in Flexible Work Program	Count	Percent
Yes	12452	82.4%
No	2491	16.5%
Don't Know	160	1.1%
Total	15104	100.0%

**CCC-32: Disabled License Plate (Weighted)-
EDISA**

Disabled License Plate	Count	Percent
Yes	15599	8.0%
No	178201	91.6%
Don't Know	724	0.4%
Total	194525	100.0%

**CCC-33: Disabled Transit Registration
(Weighted) –EDIS2**

Disabled Transit Registration	Count	Percent
Yes	5276	2.7%
No	188783	97.0%
Don't Know	465	0.2%
Total	194525	100.0%

**CCC-34: Level of Education Completed
(Weighted) –EDUCA**

Level of Education Completed	Count	Percent
Not a high school graduate, 12th grade or less. (Includes very young children)	35155	17.5%
High school graduate (high school diploma or GED)	36140	18.0%
Some college credit but no degree	23938	11.9%
Associate or technical school degree	20136	10.0%
Bachelor's or undergraduate degree	42712	21.3%
Graduate Degree (includes professional degrees, MD, DDs, JD)	40633	20.3%
Don't Know	1828	0.9%
Total	200541	100.0%

**CCC-35: School Enrollment Status
(Weighted)-ENROL**

School Enrollment Status	Count	Percent
Yes	37566	18.7%
No	162769	81.2%
Don't Know	206	0.1%
Total	200541	100.0%

**CCC-36: Full-time / Part-time Student Status
(Weighted)-FPTIM**

Full-time / Part-time Student Status	Count	Percent
Part-time	9214	24.5%
Full-time	28352	75.5%
Total	37566	100.0%

**CCC-37: Student Grade Level Attends
(Weighted)-SCHOL**

Student Grade Level	Count	Percent
Daycare	652	1.7%
Nursery School, Preschool	1380	3.7%
Kindergarten to Grade 8	15567	41.4%
Grade 9 to 12	9372	24.9%
Technical/Vocational School	376	1.0%
Two-year college (community college)	3657	9.7%
4-year college or university	4277	11.4%
Graduate School/Professional	2284	6.1%
Total	37566	100.0%

**CCC-38: Transit Trips Made in Past Week
(Weighted)- TTRIP**

Transit Trips Made in Past Week	Count	Percent
0	172083	85.8%
1	2615	1.3%
2	4620	2.3%
3	971	0.5%
4	3144	1.6%
5	947	0.5%
6	1119	0.6%
7	1211	0.6%
8	2271	1.1%
9	0	0.0%
10	4874	2.4%
11	0	0.0%
12	1349	0.7%
13	0	0.0%
14	247	0.2%
15	349	0.3%
16	0	0.0%
17	0	0.0%
18	130	0.1%
19	0	0.0%
20	1017	0.5%
21	204	0.1%
58	213	0.1%
Don't Know	1922	1.0%
Refused	454	0.2%
Total	200541	100.0%

**CCC-39: Bike Facilities Available at
Work/School (Weighted)- BIKFA**

Bike Facilities Available at Work/School	Count	Percent
Yes	56206	47.4%
No	45516	38.4%
Don't Know	14733	12.4%
Refused	2192	1.8%
Total	118646	100.0%

**CCC-40: Days Used Bike for Recreation in
Past Week (Weighted)- BIKD1**

Days Used Bike for Recreation in Past Week	Count	Percent
0	92056	66.7%
1	10240	7.4%
2	8620	6.2%
3	5103	3.7%
4	2892	2.1%
5	1292	0.9%
6	575	0.4%
7	1709	1.2%
Don't Know	9490	6.9%
Refused	6009	4.4%
Total	137987	100.0%

CCC-41: Days Used Bike for Transportation in Past Week (Weighted) – BIKD2

Days Used Bike for Transportation in Past Week	Count	Percent
0	108522	78.6%
1	2824	2.0%
2	4453	3.2%
3	1630	1.2%
4	1227	0.9%
5	1284	0.9%
6	595	0.4%
7	1177	0.9%
Don't Know	9913	7.2%
Refused	6361	4.6%
Total	137987	100.0%

CCC-42: Bike Lanes/Trails Used (Weighted) – BIKRD

Bike Lanes/Trails Used for Non-Recreational Purposes	Count	Percent
Off-Road	23849	17.3%
On-Road	30596	22.2%
Both	36773	26.6%
Don't Know	37857	27.4%
Refused	8912	6.5%
Total	137987	100.0%

CCC-43: Internet was Used on Travel Day in Place of Trips (Weighted)-INUSE

Internet was used on Travel Day in Place of Trips	Count	Percent
Yes	11610	5.8%
No	180765	90.1%
Don't Know	7390	3.7%
Refused	776	0.4%
Total	200541	100.0%

CCC-44: Reason for Non-Travel (Weighted)-NOGO

Reason for Non-Travel	Count	Percent
Personally Sick	4838	16.1%
Homebound Elderly or Disabled	4813	16.1%
Worked at Home for Pay	1243	4.1%
Worked Around Home (Not for Pay)	10968	36.6%
Out of Area	1725	5.8%
Other, SPECIFY	6380	21.3%
Total	29967	100.0%

Vehicle Characteristics

CCC-45: Vehicle Year (Weighted) – YEAR

Vehicle Year	Count	Percent
1964 or older	105	0.1%
1965-1979	1060	0.6%
1980-1989	3441	2.1%
1990-1999	29325	17.8%
2000-2003	43523	26.4%
2004-2006	42059	25.5%
2007	15102	9.2%
2008	11736	7.1%
2009	6465	3.9%
2010	9946	6.0%
2011	2080	1.3%
Total	164842	100.0%

CCC-46: Vehicle Make (Weighted) – MAKE

Vehicle Make	Count	Percent
Acura	1150	0.7%
Audi	859	0.5%
BMW	2275	1.4%
Buick	4606	2.8%
Cadillac	1403	0.8%
Chevrolet	11814	7.1%
Chrysler	3299	2.0%
Dodge	4664	2.8%
Ford	19021	11.4%
Geo	213	0.1%
GMC	3455	2.1%
Harley Davidson	1020	0.6%
Honda	19373	11.6%
Hummer	123	0.1%
Hyundai	3859	2.3%
Infiniti	187	0.1%
Isuzu	664	0.4%
Jaguar	493	0.3%
Jeep	6695	4.0%
Kia	1288	0.8%
Lexus	1801	1.1%
Lincoln	2124	1.3%
Mazda	1740	1.0%

Vehicle Make	Count	Percent
Mercedes	2222	1.3%
Mercury	3264	1.9%
Mitsubishi	611	0.4%
Nissan	5080	3.0%
Oldsmobile	1463	0.9%
Plymouth	565	0.3%
Pontiac	1184	0.7%
Porsche	139	0.1%
Saab	1931	1.2%
Saturn	3476	2.1%
Scion	423	0.3%
Subaru	6500	3.9%
Suzuki	425	0.3%
Toyota	37373	22.3%
Volkswagen	4491	2.7%
Volvo	3201	1.9%
Other, SPECIFY	1860	1.1%
Don't Know	832	0.5%
Refused	225	0.1%
Total	167389	100.0%

CCC-47: Vehicle Body Type (Weighted) – BODY

Vehicle Body Type	Count	Percent
Car/Station Wagon	81765	48.8%
Van (any type)	12406	7.4%
SUV	41605	24.9%
Pickup Truck	20879	12.5%
Other type of truck	157	0.1%
RV	574	0.3%
Motorcycle	1890	1.1%
Refused	8112	4.8%
Total	167389	100.0%

CCC-48: Vehicle Fuel Type (Weighted) - FUEL

Vehicle Fuel Type	Count	Percent
Gas	162096	96.8%
Diesel	1642	1.0%
Hybrid	3032	1.8%
Flex Fuel	451	0.3%
Refused	168	0.1%
Total	167389	100.0%

Place Characteristics

CCC-49: Primary Trip Purpose (Weighted) – TPURP

Primary Trip Purpose	Count	Percent
All other home activities	436084	44.6%
Work/Job	88470	9.1%
Routine shopping (groceries, clothing, convenience store, HH maintenance)	65681	6.7%
Visit friends/relatives	47826	4.9%
Household errands (bank, dry cleaning, etc.)	36336	3.7%
Work Business Related	34984	3.6%
Eat meal outside of home	33759	3.5%
Attending Class	29764	3.0%
Personal business (visit government office, attorney, accountant)	28402	2.9%
Indoor recreation/entertainment	26234	2.7%
Drop off passenger from car	24225	2.5%
Health care (doctor, dentist)	22765	2.3%
Pick up passenger from car	21837	2.2%
Changed type of transportation	20844	2.1%
Service private vehicle (gas, oil lube, etc.)	17454	1.8%
Outdoor recreation/entertainment	10874	1.1%
Civic/Religious activities	10250	1.0%
Working at home (for pay)	6678	0.7%
Shopping for major purchases or specialty items (appliance, electronics, new vehicle, major HH repairs)	5184	0.5%
Loop trip	3399	0.3%
All other School Activities	3281	0.3%
All other activities at work	1236	0.1%
Other, SPECIFY	853	0.1%
While Traveling -- Other, Specify	259	0.0%
Volunteer Work/Activities	0	0.0%
Total	976680	100.0%

CCC-50: Total People Traveling in Travel Party, Including Respondent (Weighted) – TOTTR

Total People Traveling	Count	Percent
1 person	461794	61.1%
2 persons	202790	26.8%
3 persons	47246	6.2%
4 persons	30415	4.0%
5 persons	13906	1.8%
Total	756150	100.0%

CCC-51: Parking Location (Weighted) – PRKTY

Parking Location	Count	Percent
Parking Lot	351479	51.3%
Parking Garage	6497	0.9%
Street	25921	3.8%
Driveway/personal garage	248205	36.2%
Did not park	41489	6.1%
Other, SPECIFY	806	0.1%
Don't Know	9220	1.3%
Refused	1385	0.2%
Total	685001	100.0%

CCC-52: Paid to Park (Weighted) – PRKCS

Paid to Park	Count	Percent
Did not Pay	640372	93.5%
Did Pay, record amount	2265	0.3%
Don't Know	1632	0.2%
Refused	40731	5.9%
Total	685001	100.0%

CCC-53: How Parking Fare was Paid (Weighted) – PRKHW

How Parking Fare was Paid	Count	Percent
Cash/Credit/Debit Card	2133	94.2%
Employer-Provided Parking Pass	132	5.8%
Total	2265	100.0%

CCC-54: Toll Road Used on Trip (Weighted) – TOLL (Use a Toll road)?

Use a Toll Road	Count	Percent
Yes	1435	0.2%
No	661504	96.6%
Don't Know	21850	3.2%
Refused	212	0.0%
Total	685001	100.0%

CCC-55: Toll Road Used (Weighted) – TOLLT (Which Toll road was used)?

Which Toll Road was Used	Count	Percent
Turnpike	948	66.0%
Ted Williams Tunnel	387	27.0%
Tobin Tunnel	101	7.0%
Total	1435	100.0%

Travel Behavior

CCC-56: Average Household and Person Trip Rates (Weighted)

	Average Trip Rate
Household	10.6
Person	4.1

CCC-57: Trip Rates by Household Size (Weighted)

Household Size	Trip Rate
1	4.5
2	8.3
3	13.6
4	17.5
5	22.2
6	26.6
7	24.8
8 or more	29.8
Total	10.6

CCC-58: Trip Rates by Number of Household Workers (Weighted)

Household Workers	Trip Rate
0	6.6
1	9.7
2	13.1
3	16.8
4	22.0
5	27.2
6	22.7
Total	10.6

CCC-59: Trip Rates by Household Income (Weighted)

Household Income	Trip Rate
Less than \$15,000	8.3
\$15,000-\$24,999	9.2
\$25,000-\$34,999	8.4
\$35,000-\$49,999	9.4
\$50,000-\$74,999	10.2
\$75,000-\$99,999	11.4
\$100,000-\$149,999	13.2
\$150,000 or more	13.3
Don't Know/Refused	9.8
Total	10.6

CCC-60: All Trip Modes (Weighted)

Transportation Mode	Count	Percent
Walk	49002	6.3%
Bike	9209	1.2%
Auto/Van/Truck Driver	526450	67.8%
Auto/Van/Truck Passenger	158550	20.4%
Public Bus	3142	0.4%
Train	2510	0.3%
Ferry/boat	1158	0.1%
Dial-A-Ride/Paratransit	2819	0.4%
Taxi	352	0.0%
School bus	19637	2.5%
Other, SPECIFY	3310	0.4%
Total	776139	100.0%

CCC-61: Mode to Work (Weighted)

Mode to Work	Count	Percent
Works from home	6610	7.2%
Walk	4048	4.4%
Bike	2136	2.3%
Auto/Van/Truck Driver	69240	75.2%
Auto/Van/Truck Passenger	4068	4.4%
Bus / Public Transit	1453	1.6%
Other, SPECIFY	3544	3.9%
Don't Know	784	0.9%
Refused	146	0.2%
Total	92029	100.0%

CCC-62: Mode to School (Weighted)

Mode to School	Count	Percent
Home schooled	2218	5.9%
Walk	2408	6.4%
Bike	405	1.1%
Auto/Van/Truck Driver	6166	16.4%
Auto/Van/Truck Passenger	10489	27.9%
Bus / Public Transit	1315	3.5%
School Bus	13313	35.4%
Other, SPECIFY	613	1.6%
Don't Know	639	1.7%
Total	37566	100.0%

Survey Results for Montachusett MPO (MRPC)

Household Characteristics

MRPC-1: Household Size (Weighted) – HHSIZ

Household Size	Count	Percent
1	26120	31.2%
2	26623	31.8%
3	14669	17.5%
4	11342	13.5%
5	4251	5.1%
6	667	0.8%
7	125	0.1%
Total	83797	100.0%

MRPC-2: Transit Used on Regular Basis (Weighted) –RIBUS

Transit Used on Regular Basis	Count	Percent
Yes	10152	12.1%
No	73567	87.8%
Don't Know	78	0.1%
Total	83797	100.0%

MRPC-3: Household Bicycles (Weighted) – HHBIC

Household Bicycles	Count	Percent
0	36552	43.6%
1	15363	18.3%
2	14274	17.0%
3	6214	7.4%
4	6225	7.4%
5	3625	4.3%
6	958	1.1%
7	276	0.3%
8	150	0.2%
Don't Know	160	0.2%
Total	83797	100.0%

MRPC-4: Household Number of Vehicles (Weighted)-HHVEH

Household Vehicles	Count	Percent
0	6902	8.2%
1	29157	34.8%
2	30570	36.5%
3	10098	12.1%
4	3632	4.3%
5	1953	2.3%
6	1114	1.3%
7	65	0.1%
8 or More	306	0.4%
Total	83797	100.0%

MRPC-5: Household Ethnicity (Weighted)- RACE

Household Ethnicity	Count	Percent
White Alone	77498	92.5%
Black or African American Alone	426	0.5%
American Indian or Alaskan Native Alone	278	0.3%
Asian Alone	637	0.8%
Some Other Race Alone	3543	4.2%
Two or More Races	1181	1.4%
Refused	234	0.3%
Total	83797	100.0%

MRPC-6: Hispanic or Latino Households (Weighted) – HISP

Hispanic or Latino Household	Count	Percent
Yes	4837	5.8%
No	78726	93.9%
Refused	234	0.3%
Total	83797	100.0%

MRPC-7: Household Residence Type (Weighted)-RESTY

Household Residence Type	Count	Percent
Single Family Detached Dwelling	57187	68.2%
Building with 2-4 Units	14597	17.4%
Building with 5-19 Units	5096	6.1%
Building with 20 or More Units	6706	8.0%
Refused	210	0.3%
Total	83797	100.0%

MRPC-8: Ownership of Household Residence (Weighted) – OWN

Home Ownership	Count	Percent
Own/Mortgaged	62527	74.6%
Renter	21270	25.4%
Total	83797	100.0%

MRPC-9: Cell phone lines in Household (Weighted) – CPLNS

Cell Phones in Household	Count	Percent
0	6850	8.2%
1	28320	33.8%
2	29677	35.4%
3	11172	13.3%
4	6225	7.4%
5	1365	1.6%
6	0	0%
7	0	0%
8	189	0.2%
Total	83797	100.0%

MRPC-10: Landlines in Household (Weighted)-PHLNS

Landlines in Household	Count	Percent
0	77989	93.1%
1	5020	6.0%
2	358	0.4%
3	125	0.1%
4	306	0.4%
5	83797	100.0%
Total	77989	93.1%

**MRPC-11: Fax Lines in Household (Weighted)
– FXLNS**

Fax Lines in Household	Count	Percent
0	3221	55.5%
1	2588	44.5%
Total	5808	100.0%

**MRPC-12: Household Income (Weighted) –
INCOME**

Household Income	Count	Percent
Less than \$15,000	11975	14.3%
\$15,000-\$24,999	10389	12.4%
\$25,000-\$34,999	7748	9.2%
\$35,000-\$49,999	8500	10.1%
\$50,000-\$74,999	14321	17.1%
\$75,000-\$99,999	13138	15.7%
\$100,000-\$149,999	8657	10.3%
\$150,000 or more	5615	6.7%
Don't Know/Refused	3455	4.1%
Total	83797	100.0%

**MRPC-13: Trips Made by Household on
Travel Day (Weighted) – HTRIPS**

Trips Made by Household on Travel Day	Count	Percent
None	5423	6.5%
1 to 5	29425	35.1%
6 to 10	27174	32.4%
11 to 15	11742	14.0%
16 to 20	4954	5.9%
21 to 30	4307	5.1%
31 to 50	772	0.9%
Total	83797	100.0%

**MRPC-14: Household Students (Weighted) –
HHSTU**

Household Students	Count	Percent
0	55935	66.8%
1	13634	16.3%
2	9138	10.9%
3	4976	5.9%
4	115	0.1%
Total	83797	100.0%

MRPC-15: Household Workers (Weighted) – HHWRK

Household Workers	Count	Percent
0	22837	27.3%
1	30022	35.8%
2	24524	29.3%
3	5256	6.3%
4	1158	1.4%
Total	83797	100.0%

MRPC-16: Licensed Drivers in Household (Weighted) –HHLIC

Licensed Drivers in Household	Count	Percent
0	5337	6.4%
1	26527	31.7%
2	40051	47.8%
3	9616	11.5%
4	1863	2.2%
5	403	0.5%
Total	83797	100.0%

MRPC-17: Distribution of Households by Day of Week of Travel (Weighted) – DAY

Day of Week of Travel	Count	Percent
Monday	19390	23.1%
Tuesday	18124	21.6%
Wednesday	14032	16.7%
Thursday	15497	18.5%
Friday	16753	20.0%
Total	83797	100.0%

Person Characteristics

MRPC-18: Respondent Gender (Weighted) – GEND

Respondent Gender	Count	Percent
Male	93058	47.2%
Female	104186	52.8%
Total	197244	100.0%

MRPC-19: Age Distribution (Weighted) –AGE

Age Distribution	Count	Percent
Younger than 20	45402	23.0%
20 to 34 years	34384	17.4%
35 to 54 years	59504	30.2%
55 to 64 years	25949	13.2%
65 years or older	28200	14.3%
Refused Age	3806	1.9%
Total	197244	100.0%

MRPC-20: Valid Driver's License (Weighted)- LIC

Valid Driver's License	Count	Percent
Yes	144981	90.3%
No	15499	9.7%
Total	160479	100.0%

MRPC-21: Respondent has Transit Pass (Weighted) – TRANS

Respondent has Transit Pass	Count	Percent
Yes	14046	8.8%
No	144926	90.3%
Don't Know	1507	0.9%
Total	160479	100.0%

MRPC-22: Transit Pass Type (Weighted)- PASST1, PASST2, PASST3

Transit Pass Type, Multiple Response	Count	Percent
Local Bus Pass	1273	9.1%
Link Pass	235	1.7%
Inner Express Bus Pass	253	1.8%
Commuter Rail Pass	939	6.7%
Charlie Card	8095	57.6%
Other, specify	2285	16.3%
Don't Know	560	4.0%
Refused	406	2.9%
Total	14046	100.0%

MRPC-23: Worker Status, Computed (Weighted) – WORKS

Worker Status, Computed	Count	Percent
Yes	101884	63.5%
No	58595	36.5%
Total	160479	100.0%

**MRPC-24: Employment Status, Non-workers
(Weighted) – WKSTAT**

Employment Status, Non workers	Count	Percent
Retired	24684	42.1%
Disabled/On Disability Status	9090	15.5%
Homemaker	6607	11.3%
Unemployed but looking for work	9319	15.9%
Unemployed and not looking for work	982	1.7%
Student	6992	11.9%
Other, SPECIFY	705	1.2%
Refused	216	0.4%
Total	58595	100.0%

**MRPC-25: Average Number of Jobs
(Weighted)-JOBS**

Jobs	Average
Average Number of Jobs	1.85

**MRPC-26: Hours Worked per Day (Weighted)
- HOURS**

Hours Worked per Day	Count	Percent
1	323	0.3%
2	1352	1.3%
3	2805	2.8%
4	4481	4.4%
5	5411	5.3%
6	7740	7.6%
7	5333	5.2%
8	45152	44.3%
9	10354	10.2%
10	10081	9.9%
11	1432	1.4%
12	3915	3.8%
13	104	0.1%
15	135	0.1%
16	213	0.2%
20	91	0.1%
24	104	0.1%
Don't Know	2567	2.5%
Refused	290	0.3%
Total	101884	100.0%

**MRPC-27: Respondent Average Number of
Days Worked Per Week (Weighted) – WDAY5**

Days Worked Per Week	Count	Percent
1	1458	1.4%
2	3988	3.9%
3	8261	8.1%
4	11491	11.3%
5	67684	66.4%
6	7509	7.4%
7	1317	1.3%
Don't Know	102	0.1%
Refused	73	0.1%
Total	101884	100.0%

**MRPC-28: Telecommute Status (Weighted) -
TELEW**

Worker Telecommutes	Count	Percent
Yes	19419	19.1%
No	81016	79.5%
Don't Know	1376	1.4%
Refused	73	0.1%
Total	101884	100.0%

**MRPC-29: Flexible Work Program Offered at
Work (Weighted) – SCHED**

Flexible Work Program Offered at Work	Count	Percent
Yes	27905	27.4%
No	69885	68.6%
Don't Know	4021	3.9%
Refused	73	0.1%
Total	101884	100.0%

**MRPC-30: Type of Flexible Work Programs
Offered, Multiple Response (Weighted)-
FLEXP1, FLEXP2, FLEXP3**

Type of Flexible Work Programs Offered, Multiple Response	Count	Percent
9/80 Work Period	1084	3.7%
Early Arrival/Departure	12571	43.1%
4/40 Work Week	1206	4.1%
Flexible Hours	4363	15.0%
Other, Specify	4289	14.7%
Don't Know	5114	17.5%
Refused	520	1.8%
Total	29148	100.0%

**MRPC-31: Respondent Participates in
Flexible Work Program (Weighted)-FLEXT**

Respondent Participates in Flexible Work Program	Count	Percent
Yes	22960	82.3%
No	4785	17.1%
Don't Know	160	0.6%
Total	27905	100.0%

**MRPC-32: Disabled License Plate
(Weighted)- EDISA**

Disabled License Plate	Count	Percent
Yes	11077	5.9%
No	176044	94.0%
Don't Know	168	0.1%
Total	187289	100.0%

**MRPC-33: Disabled Transit Registration
(Weighted) –EDIS2**

Disabled Transit Registration	Count	Percent
Yes	7901	4.2%
No	179040	95.6%
Don't Know	348	0.2%
Total	187289	100.0%

**MRPC-34: Level of Education Completed
(Weighted) –EDUCA**

Level of Education Completed	Count	Percent
Not a high school graduate, 12th grade or less. (Includes very young children)	51092	25.9%
High school graduate (high school diploma or GED)	40731	20.7%
Some college credit but no degree	24601	12.5%
Associate or technical school degree	18912	9.6%
Bachelor's or undergraduate degree	38454	19.5%
Graduate Degree (includes professional degrees, MD, DDs, JD)	22826	11.6%
Other, SPECIFY	119	0.1%
Don't Know	332	0.2%
Refused	177	0.1%
Total	197244	100.0%

**MRPC-35: School Enrollment Status
(Weighted)-ENROL**

School Enrollment Status	Count	Percent
Yes	51386	26.1%
No	145690	73.9%
Don't Know	167	0.1%
Total	197244	100.0%

**MRPC-36: Full-time / Part-time Student Status
(Weighted)-FPTIM**

Full-time / Part-time Student Status	Count	Percent
Part-time	9159	17.8%
Full-time	42227	82.2%
Total	51386	100.0%

**MRPC-37: Student Grade Level Attends
(Weighted)-SCHOL**

Student Grade Level	Count	Percent
Daycare	1639	3.2%
Nursery School, Preschool	1493	2.9%
Kindergarten to Grade 8	25089	48.8%
Grade 9 to 12	11730	22.8%
Technical/Vocational School	151	0.3%
Two-year college (community college)	4245	8.3%
4-year college or university	4262	8.3%
Graduate School/Professional	2397	4.7%
Don't Know/Refused	380	0.7%
Total	51386	100.0%

**MRPC-38: Transit Trips Made in Past Week
(Weighted)- TTRIP**

Transit Trips Made in Past Week	Count	Percent
0	165872	84.1%
1	2126	1.1%
2	7172	3.6%
3	753	0.4%
4	2859	1.4%
5	2067	1.0%
6	1208	0.6%
7	443	0.2%
8	1336	0.7%
10	4942	2.5%
12	1436	0.7%
14	2569	1.3%
16	82	0.0%
18	398	0.2%
19	153	0.1%
20	469	0.2%
24	547	0.3%
25	195	0.1%
28	661	0.3%
30	164	0.1%
Don't Know	1789	0.9%
Total	197244	100.0%

**MRPC-39: Bike Facilities Available at
Work/School (Weighted)- BIKFA**

Bike Facilities Available at Work/School	Count	Percent
Yes	52127	36.9%
No	71909	50.9%
Don't Know	16156	11.4%
Refused	1164	0.8%
Total	141357	100.0%

**MRPC-40: Days Used Bike for Recreation in
Past Week (Weighted)- BIKD1**

Days Used Bike for Recreation in Past Week	Count	Percent
0	94455	70.1%
1	6809	5.1%
2	5681	4.2%
3	2196	1.6%
4	1274	0.9%
5	578	0.4%
6	226	0.2%
7	1335	1.0%
Don't Know	16303	12.1%
Refused	5919	4.4%
Total	134777	100.0%

MRPC-41: Days Used Bike for Transportation in Past Week (Weighted) – BIKD2

Days Used Bike for Transportation in Past Week	Count	Percent
0	106700	79.2%
1	2677	2.0%
2	737	0.5%
3	695	0.5%
4	153	0.1%
5	721	0.5%
6	0	0%
7	217	0.2%
Don't Know	16689	12.4%
Refused	6188	4.6%
Total	134777	100.0%

MRPC-42: Bike Lanes/Trails Used (Weighted) – BIKRD

Bike Lanes/Trails Used for Non-Recreational Purposes	Count	Percent
Off-Road	13883	10.3%
On-Road	30033	22.3%
Both	26936	20.0%
Don't Know	52006	38.6%
Refused	11919	8.8%
Total	134777	100.0%

MRPC-43: Internet was Used on Travel Day in Place of Trips (Weighted)-INUSE

Internet was used on Travel Day in Place of Trips	Count	Percent
Yes	8412	4.3%
No	177833	90.2%
Don't Know	9912	5.0%
Refused	1086	0.6%
Total	197244	100.0%

MRPC-44: Reason for Non-Travel (Weighted)-NOGO

Reason for Non-Travel	Count	Percent
Personally Sick	1900	6.7%
Caretaking Sick Kids	326	1.1%
Caretaking Sick Other	141	0.5%
Homebound Elderly or Disabled	4148	14.6%
Worked at Home for Pay	3176	11.2%
Worked Around Home (Not for Pay)	10152	35.6%
Out of Area	395	1.4%
Other, SPECIFY	8246	29.0%
Total	28483	100.0%

Vehicle Characteristics

MRPC-45: Vehicle Year (Weighted) – YEAR

Vehicle Year	Count	Percent
1964 or older	112	0.1%
1965-1979	1548	1.0%
1980-1989	4032	2.7%
1990-1999	29473	19.8%
2000-2003	36414	24.4%
2004-2006	37866	25.4%
2007	11843	7.9%
2008	8496	5.7%
2009	9057	6.1%
2010	7902	5.3%
2011	2319	1.6%
Total	149061	100.0%

MRPC-46: Vehicle Make (Weighted) – MAKE

Vehicle Make	Count	Percent
Acura	1073	0.7%
Audi	1629	1.1%
BMW	2213	1.4%
Buick	3472	2.2%
Cadillac	976	0.6%
Chevrolet	13823	8.9%
Chrysler	3111	2.0%
Dodge	5982	3.9%
Ford	21680	14.0%
GMC	3388	2.2%
Harley Davidson	2584	1.7%
Honda	14373	9.3%
Hyundai	6690	4.3%
Infiniti	245	0.2%
Isuzu	528	0.3%
Jaguar	267	0.2%
Jeep	3586	2.3%
Kawasaki	603	0.4%
Kia	1821	1.2%
Lexus	821	0.5%
Lincoln	796	0.5%
Mazda	3999	2.6%
Mercedes	883	0.6%

Vehicle Make	Count	Percent
Mercury	2024	1.3%
Mitsubishi	748	0.5%
Nissan	6805	4.4%
Oldsmobile	1457	0.9%
Plymouth	701	0.5%
Pontiac	1242	0.8%
Porsche	114	0.1%
Saab	1672	1.1%
Saturn	2304	1.5%
Scion	493	0.3%
Subaru	7420	4.8%
Suzuki	1159	0.8%
Toyota	24571	15.9%
Volkswagen	2678	1.7%
Volvo	1661	1.1%
Yamaha	1413	0.9%
Other, SPECIFY	1859	1.2%
Don't Know	1606	1.0%
Total	154469	100.0%

**MRPC-47: Vehicle Body Type (Weighted) –
BODY**

Vehicle Body Type	Count	Percent
Car/Station Wagon	75598	48.9%
Van (any type)	9980	6.5%
SUV	36747	23.8%
Pickup Truck	18754	12.1%
RV	526	0.3%
Motorcycle	6248	4.0%
Refused	6615	4.3%
Total	154469	100.0%

**MRPC-48: Vehicle Fuel Type (Weighted) -
FUEL**

Vehicle Fuel Type	Count	Percent
Gas	149923	97.1%
Diesel	2337	1.5%
Hybrid	2209	1.4%
Total	154469	100.0%

Place Characteristics

MRPC-49: Primary Trip Purpose (Weighted) – TPURP

Primary Trip Purpose	Count	Percent
All other home activities	412095	46.2%
Work/Job	79598	8.9%
Routine shopping (groceries, clothing, convenience store, HH maintenance)	62804	7.0%
Visit friends/relatives	37097	4.2%
Changed type of transportation	31351	3.5%
Work Business Related	27364	3.1%
Eat meal outside of home	26875	3.0%
Attending Class	25884	2.9%
Drop off passenger from car	25854	2.9%
Household errands (bank, dry cleaning, etc.)	24984	2.8%
Personal business (visit government office, attorney, accountant)	22792	2.6%
Pick up passenger from car	20675	2.3%
Indoor recreation/entertainment	20465	2.3%
Health care (doctor, dentist)	18408	2.1%
Outdoor recreation/entertainment	16558	1.9%
Service private vehicle (gas, oil lube, etc.)	11615	1.3%
Civic/Religious activities	8166	0.9%
Working at home (for pay)	7941	0.9%
Shopping for major purchases or specialty items (appliance, electronics, new vehicle, major HH repairs)	3699	0.4%
All other School Activities	3261	0.4%
All other activities at work	1939	0.2%
Loop trip	1793	0.2%
Other, SPECIFY	847	0.1%
Volunteer Work/Activities	157	0.0%
While Traveling -- Other, Specify	0	0.0%
Total	892221	100.0%

MRPC-50: Total People Traveling in Travel Party, Including Respondent (Weighted) – TOTTR

Total People Traveling	Count	Percent
1 person	384058	57.5%
2 persons	177157	26.5%
3 persons	65343	9.8%
4 persons	28570	4.3%
5 persons	13004	1.9%
Total	668132	100.0%

MRPC-51: Parking Location (Weighted) – PRKTY

Parking Location	Count	Percent
Parking Lot	285881	47.6%
Parking Garage	7696	1.3%
Street	43782	7.3%
Driveway/personal garage	214743	35.8%
Did not park	43462	7.2%
Other, SPECIFY	2582	0.4%
Don't Know	1977	0.3%
Refused	174	0.0%
Total	600296	100.0%

MRPC-52: Paid to Park (Weighted) – PRKCS

Paid to Park	Count	Percent
Did not Pay	549696	91.6%
Did Pay, record amount	6554	1.1%
Don't Know	1510	0.3%
Refused	42536	7.1%
Total	600296	100.0%

MRPC-53: How Parking Fare was Paid (Weighted) – PRKHW

How Parking Fare was Paid	Count	Percent
Cash/Credit/Debit Card	5343	81.5%
Per-Paid parking Pass	977	14.9%
Employer-Provided Parking Pass	160	2.4%
Don't Know	74	1.1%
Total	6554	100.0%

MRPC-54: Toll Road Used on Trip (Weighted) – TOLL (Use a Toll road)?

Use a Toll Road	Count	Percent
Yes	1890	0.3%
No	588178	98.0%
Don't Know	10054	1.7%
Refused	174	0.0%
Total	600296	100.0%

MRPC-55: Toll Road Used (Weighted) – TOLLT (Which Toll road was used)?

Which Toll Road was Used	Count	Percent
Turnpike	1502	79.4%
Ted Williams Tunnel	238	12.6%
Sumner Tunnel	151	8.0%
Total	1890	100.0%

Travel Behavior

MRPC-56: Average Household and Person Trip Rates (Weighted)

	Average Trip Rate
Household	10.6
Person	4.1

MRPC-57: Trip Rates by Household Size (Weighted)

Household Size	Trip Rate
1	4.5
2	8.3
3	13.6
4	17.5
5	22.2
6	26.6
7	24.8
8 or more	29.8
Total	10.6

MRPC-58: Trip Rates by Number of Household Workers (Weighted)

Household Workers	Trip Rate
0	6.6
1	9.7
2	13.1
3	16.8
4	22.0
5	27.2
6	22.7
Total	10.6

MRPC-59: Trip Rates by Household Income (Weighted)

Household Income	Trip Rate
Less than \$15,000	8.3
\$15,000-\$24,999	9.2
\$25,000-\$34,999	8.4
\$35,000-\$49,999	9.4
\$50,000-\$74,999	10.2
\$75,000-\$99,999	11.4
\$100,000-\$149,999	13.2
\$150,000 or more	13.3
Don't Know/Refused	9.8
Total	10.6

MRPC-60: All Trip Modes (Weighted)

Transportation Mode	Count	Percent
Walk	47668	6.9%
Bike	3143	0.5%
Auto/Van/Truck Driver	451346	64.9%
Auto/Van/Truck Passenger	148950	21.4%
Public Bus	4780	0.7%
Train	8176	1.2%
Dial-A-Ride/Paratransit	2744	0.4%
Taxi	1273	0.2%
School bus	25573	3.7%
Other, SPECIFY	1324	0.2%
Total	694977	100.0%

MRPC-61: Mode to Work (Weighted)

Mode to Work	Count	Percent
Works from home	7151	7.0%
Walk	1887	1.9%
Bike	373	0.4%
Auto/Van/Truck Driver	85476	83.9%
Auto/Van/Truck Passenger	1223	1.2%
Bus / Public Transit	4073	4.0%
Other, SPECIFY	1265	1.2%
Don't Know	113	0.1%
Refused	324	0.3%
Total	101884	100.0%

MRPC-62: Mode to School (Weighted)

Mode to School	Count	Percent
Home schooled	1141	2.2%
Walk	1542	3.0%
Auto/Van/Truck Driver	11218	21.8%
Auto/Van/Truck Passenger	14532	28.3%
Bus / Public Transit	1019	2.0%
School Bus	20743	40.4%
Other, SPECIFY	949	1.8%
Don't Know	241	0.5%
Total	51386	100.0%

Survey Results for Berkshire MPO (BRPC)

Household Characteristics

BRPC-1: Household Size (Weighted) – HHSIZ

Household Size	Count	Percent
1	17639	31.7%
2	21634	38.9%
3	7621	13.7%
4	6604	11.9%
5	1423	2.6%
6	701	1.3%
Total	55623	100.0%

BRPC-2: Transit Used on Regular Basis (Weighted) –RIBUS

Transit Used on Regular Basis	Count	Percent
Yes	6240	11.2%
No	49263	88.6%
DK	120	0.2%
Total	55623	100.0%

BRPC-3: Household Bicycles (Weighted) – HHBIC

Household Bicycles	Count	Percent
0	24330	43.7%
1	10374	18.7%
2	9458	17.0%
3	5033	9.0%
4	3664	6.6%
5	1248	2.2%
6	1130	2.0%
7	200	0.4%
8	186	0.3%
Total	55623	100.0%

BRPC-4: Household Number of Vehicles (Weighted)-HHVEH

Household Vehicles	Count	Percent
0	4805	8.6%
1	21362	38.4%
2	20654	37.1%
3	5762	10.4%
4	1895	3.4%
5	742	1.3%
6	217	0.4%
7	185	0.3%
8 or More	55623	100.0%
Total	4805	8.6%

BRPC-5: Household Ethnicity (Weighted)- RACE

Household Ethnicity	Count	Percent
White Alone	51658	92.9%
Black or African American Alone	201	0.4%
American Indian or Alaskan Native Alone	754	1.4%
Asian Alone	201	0.4%
Native Hawaiian, Pacific Islander Alone	678	1.2%
Some Other Race Alone	1613	2.9%
Two or More Races	519	0.9%
Refused	55623	100.0%
Total	51658	92.9%

BRPC-6: Hispanic or Latino Households (Weighted) – HISP

Hispanic or Latino Household	Count	Percent
Yes	915	1.6%
No	54708	98.4%
RF	55623	100.0%
Total	915	1.6%

BRPC-7: Household Residence Type (Weighted)-RESTY

Household Residence Type	Count	Percent
Single Family Detached Dwelling	39686	71.3%
Building with 2-4 Units	10515	18.9%
Building with 5-19 Units	3530	6.3%
Building with 20 or More Units	1892	3.4%
Total	55623	100.0%

BRPC-8: Ownership of Household Residence (Weighted) – OWN

Home Ownership	Count	Percent
Own/Mortgaged	41271	74.2%
Renter	13759	24.7%
Other, Specify	186	0.3%
DK	140	0.3%
RF	266	0.5%
Total	55623	100.0%

BRPC-9: Cell phone lines in Household (Weighted) – CPLNS

Cell Phones in Household	Count	Percent
0	4370	7.9%
1	23198	41.7%
2	19314	34.7%
3	4742	8.5%
4	3154	5.7%
5	845	1.5%
Total	55623	100.0%

BRPC-10: Landlines in Household (Weighted)-PHLNS

Landlines in Household	Count	Percent
0	378	0.7%
1	50785	91.3%
2	3576	6.4%
3	678	1.2%
4	207	0.4%
Total	55623	100.0%

**BRPC-11: Fax Lines in Household (Weighted)
– FXLNS**

Fax Lines in Household	Count	Percent
0	2850	63.9%
1	1610	36.1%
Total	4461	100.0%

**BRPC-12: Household Income (Weighted) –
INCOME**

Household Income	Count	Percent
Less than \$15,000	8357	15.0%
\$15,000-\$24,999	6458	11.6%
\$25,000-\$34,999	6480	11.7%
\$35,000-\$49,999	8800	15.8%
\$50,000-\$74,999	9686	17.4%
\$75,000-\$99,999	7676	13.8%
\$100,000-\$149,999	3138	5.6%
\$150,000 or more	3178	5.7%
Don't Know/Refused	1849	3.3%
Total	55623	100.0%

**BRPC-13: Trips Made by Household on Travel
Day (Weighted) – HTRIPS**

Trips Made by Household on Travel Day	Count	Percent
None	2970	5.3%
1 to 5	19626	35.3%
6 to 10	16140	29.0%
11 to 15	8925	16.0%
16 to 20	4450	8.0%
21 to 30	2917	5.2%
31 to 50	595	1.1%
Total	55623	100.0%

**BRPC-14: Household Students (Weighted) –
HHSTU**

Household Students	Count	Percent
0	38631	69.5%
1	8977	16.1%
2	6484	11.7%
3	1318	2.4%
4	214	0.4%
Total	55623	100.0%

BRPC-15: Household Workers (Weighted) – HHWRK

Household Workers	Count	Percent
0	16913	30.4%
1	22348	40.2%
2	13221	23.8%
3	2674	4.8%
4	467	0.8%
Total	55623	100.0%

BRPC-16: Licensed Drivers in Household (Weighted) –HHLIC

Licensed Drivers in Household	Count	Percent
0	3841	6.9%
1	19556	35.2%
2	27689	49.8%
3	3303	5.9%
4	1234	2.2%
Total	55623	100.0%

BRPC-17: Distribution of Households by Day of Week of Travel (Weighted) – DAY

Day of Week of Travel	Count	Percent
Monday	11389	20.5%
Tuesday	10665	19.2%
Wednesday	10296	18.5%
Thursday	9672	17.4%
Friday	13600	24.5%
Total	55623	100.0%

Person Characteristics

BRPC-18: Respondent Gender (Weighted) – GEND

Respondent Gender	Count	Percent
Male	60888	50.2%
Female	60335	49.8%
Total	121224	100.0%

BRPC-19: Age Distribution (Weighted) –AGE

Age Distribution	Count	Percent
Younger than 20	25077	20.7%
20 to 34 years	23438	19.3%
35 to 54 years	32182	26.5%
55 to 64 years	17921	14.8%
65 years or older	20659	17.0%
Refused Age	1946	1.6%
Total	121224	100.0%

BRPC-20: Valid Driver's License (Weighted)- LIC

Valid Driver's License	Count	Percent
Yes	88474	86.4%
No	13949	13.6%
Total	102423	100.0%

BRPC-21: Respondent has Transit Pass (Weighted) – TRANS

Respondent has Transit Pass	Count	Percent
Yes	4190	4.1%
No	98232	95.9%
Total	102423	100.0%

BRPC-22: Transit Pass Type (Weighted)- PASST1, PASST2, PASST3

Transit Pass Type, Multiple Response	Count	Percent
Local Bus Pass	1788	42.7%
Charlie Card	217	5.2%
Other, specify	1967	46.9%
Refused	218	5.2%
Total	4190	100.0%

BRPC-23: Worker Status, Computed (Weighted) – WORKS

Worker Status, Computed	Count	Percent
Yes	57965	56.6%
No	44458	43.4%
Total	102423	100.0%

**BRPC-24: Employment Status, Non-workers
(Weighted) – WKSTAT**

Employment Status, Non workers	Count	Percent
Retired	19449	43.7%
Disabled/On Disability Status	7025	15.8%
Homemaker	5965	13.4%
Unemployed but looking for work	4636	10.4%
Unemployed and not looking for work	458	1.0%
Student	6551	14.7%
Other, SPECIFY	374	0.8%
Total	44458	100.0%

**BRPC-25: Average Number of Jobs
(Weighted)-JOBS**

Jobs	Average
Average Number of Jobs	1.16

**BRPC-26: Hours Worked per Day (Weighted)
- HOURS**

Hours Worked per Day	Count	Percent
1	464	0.8%
2	494	0.9%
3	965	1.7%
4	3898	6.7%
5	3144	5.4%
6	5691	9.8%
7	3491	6.0%
8	24390	42.1%
9	4833	8.3%
10	5773	10.0%
11	221	0.4%
12	1428	2.5%
13	78	0.1%
14	989	1.7%
15	436	0.8%
24	127	0.2%
DK	1197	2.1%
RF	347	0.6%
Total	57965	100.0%

**BRPC-27: Respondent Average Number of
Days Worked Per Week (Weighted) – WDAY**

Days Worked Per Week	Count	Percent
1	722	1.2%
2	2467	4.3%
3	4247	7.3%
4	5921	10.2%
5	37741	65.1%
6	4086	7.0%
7	2700	4.7%
Don't Know	81	0.1%
Total	57965	100.0%

**BRPC-28: Telecommute Status (Weighted) -
TELEW**

Worker Telecommutes	Count	Percent
Yes	10636	18.3%
No	47098	81.3%
Don't Know	230	0.4%
Total	57965	100.0%

**BRPC-29: Flexible Work Program Offered at
Work (Weighted) – SCHED**

Flexible Work Program Offered at Work	Count	Percent
Yes	9385	16.2%
No	46122	79.6%
Don't Know	2457	4.2%
Total	57965	100.0%

**BRPC-30: Type of Flexible Work Programs
Offered, Multiple Response (Weighted)-
FLEXP1, FLEXP2, FLEXP3**

Type of Flexible Work Programs Offered, Multiple Response	Count	Percent
9/80 Work Period	562	5.7%
Early Arrival/Departure	3247	33.1%
4/40 Work Week	238	2.4%
Flexible Hours	2604	26.6%
Other, Specify	1697	17.3%
Don't Know	1189	12.1%
Refused	265	2.7%
Total	9801	100.0%

**BRPC-31: Respondent Participates in Flexible
Work Program (Weighted)-FLEXT**

Respondent Participates in Flexible Work Program	Count	Percent
Yes	8140	86.7%
No	618	6.6%
Don't Know	627	6.7%
Total	9385	100.0%

**BRPC-32: Disabled License Plate (Weighted)-
EDISA**

Disabled License Plate	Count	Percent
Yes	7840	6.8%
No	106886	92.8%
Refused	495	0.4%
Total	115221	100.0%

**BRPC-33: Disabled Transit Registration
(Weighted) –EDIS2**

Disabled Transit Registration	Count	Percent
Yes	2385	2.1%
No	112341	97.5%
Refused	495	0.4%
Total	115221	100.0%

**BRPC-34: Level of Education Completed
(Weighted) –EDUCA**

Level of Education Completed	Count	Percent
Not a high school graduate, 12th grade or less. (Includes very young children)	25882	21.4%
High school graduate (high school diploma or GED)	30482	25.1%
Some college credit but no degree	17263	14.2%
Associate or technical school degree	10792	8.9%
Bachelor's or undergraduate degree	19610	16.2%
Graduate Degree (includes professional degrees, MD, DDs, JD)	16286	13.4%
Don't Know	674	0.6%
Refused	234	0.2%
Total	121224	100.0%

**BRPC-35: School Enrollment Status
(Weighted)-ENROL**

School Enrollment Status	Count	Percent
Yes	28250	23.3%
No	92974	76.7%
Total	121224	100.0%

**BRPC-36: Full-time / Part-time Student Status
(Weighted)-FPTIM**

Full-time / Part-time Student Status	Count	Percent
Part-time	4249	15.0%
Full-time	24001	85.0%
Total	28250	100.0%

**BRPC-37: Student Grade Level Attends
(Weighted)-SCHOL**

Student Grade Level	Count	Percent
Daycare	1120	4.0%
Nursery School, Preschool	1548	5.5%
Kindergarten to Grade 8	10223	36.2%
Grade 9 to 12	8576	30.4%
Technical/Vocational School	389	1.4%
Two-year college (community college)	2092	7.4%
4-year college or university	3005	10.6%
Graduate School/Professional	1296	4.6%
Total	28250	100.0%

**BRPC-38: Transit Trips Made in Past Week
(Weighted)- TTRIP**

Transit Trips Made in Past Week	Count	Percent
0	105088	86.7%
1	1164	1.0%
2	2908	2.4%
3	1357	1.1%
4	1797	1.5%
5	298	0.2%
6	825	0.7%
7	780	0.6%
8	526	0.4%
9	390	0.3%
10	1954	1.6%
11	0	0.0%
12	595	0.5%
13	0	0.0%
14	247	0.2%
15	349	0.3%
16	198	0.2%
17	0	0.0%
18	0	0.0%
19	0	0.0%
20	946	0.8%
21	619	0.5%
22	0	0.0%
23	0	0.0%
24	0	0.0%
25	121	0.1%
Don't Know	1062	0.9%
Total	121224	100.0%

**BRPC-39: Bike Facilities Available at
Work/School (Weighted)- BIKFA**

Bike Facilities Available at Work/School	Count	Percent
Yes	34789	42.9%
No	34482	42.5%
Don't Know	9639	11.9%
Refused	2183	2.7%
Total	81092	100.0%

**BRPC-40: Days Used Bike for Recreation in
Past Week (Weighted)- BIKD1**

Days Used Bike for Recreation in Past Week	Count	Percent
0	58281	72.1%
1	5603	6.9%
2	3478	4.3%
3	1099	1.4%
4	401	0.5%
5	272	0.3%
6	354	0.4%
7	694	0.9%
Don't Know	4943	6.1%
Refused	5737	7.1%
Total	80861	100.0%

BRPC-41: Days Used Bike for Transportation in Past Week (Weighted) – BIKD2

Days Used Bike for Transportation in Past Week	Count	Percent
0	65822	81.4%
1	1312	1.6%
2	692	0.9%
3	686	0.8%
4	363	0.4%
5	743	0.9%
6	205	0.3%
7	1024	1.3%
Don't Know	4277	5.3%
Refused	5737	7.1%
Total	80861	100.0%

BRPC-42: Bike Lanes/Trails Used (Weighted) – BIKRD

Bike Lanes/Trails Used for Non-Recreational Purposes	Count	Percent
Off-Road	12240	15.1%
On-Road	17762	22.0%
Both	18098	22.4%
Don't Know	24455	30.2%
Refused	8306	10.3%
Total	80861	100.0%

BRPC-43: Internet was Used on Travel Day in Place of Trips (Weighted)-INUSE

Internet was used on Travel Day in Place of Trips	Count	Percent
Yes	4733	3.9%
No	109268	90.1%
Don't Know	6153	5.1%
Refused	1070	0.9%
Total	121224	100.0%

BRPC-44: Reason for Non-Travel (Weighted)-NOGO

Reason for Non-Travel	Count	Percent
Personally Sick	2260	11.2%
Caretaking Sick Kids	391	1.9%
Caretaking Sick Other	340	1.7%
Homebound Elderly or Disabled	2262	11.2%
Worked at Home for Pay	2367	11.7%
Worked Around Home (Not for Pay)	4396	21.8%
Out of Area	1144	5.7%
Other	7028	34.8%
Total	20189	100.0%

Vehicle Characteristics

BRPC-45: Vehicle Year (Weighted) – YEAR

Vehicle Year	Count	Percent
1964 or older	658	0.7%
1965-1979	977	1.1%
1980-1989	2475	2.7%
1990-1999	16684	18.3%
2000-2003	22093	24.2%
2004-2006	24121	26.4%
2007	5909	6.5%
2008	6684	7.3%
2009	5358	5.9%
2010	5263	5.8%
2011	1120	1.2%
Total	91342	100.0%

BRPC-46: Vehicle Make (Weighted) – MAKE

Vehicle Make	Count	Percent
Acura	132	0.1%
Audi	568	0.6%
BMW	1261	1.3%
Buick	2513	2.7%
Cadillac	302	0.3%
Chevrolet	8125	8.6%
Chrysler	2558	2.7%
Dodge	5814	6.2%
Ford	10969	11.7%
GMC	3570	3.8%
Harley Davidson	1217	1.3%
Honda	10893	11.6%
Hyundai	3896	4.1%
Infiniti	570	0.6%
Jeep	1994	2.1%
Kawasaki	185	0.2%
Kia	945	1.0%
Lexus	929	1.0%
Lincoln	492	0.5%
Mazda	1768	1.9%
Mercedes	479	0.5%
Mercury	1091	1.2%
Mitsubishi	796	0.8%

Nissan	3894	4.1%
Oldsmobile	562	0.6%
Plymouth	333	0.4%
Pontiac	2139	2.3%
Porsche	128	0.1%
Saab	636	0.7%
Saturn	759	0.8%
Scion	178	0.2%
Subaru	5285	5.6%
Suzuki	1114	1.2%
Toyota	11533	12.3%
Volkswagen	2095	2.2%
Volvo	1555	1.7%
Yamaha	252	0.3%
Other, SPECIFY	1912	2.0%
Don't Know	591	0.6%
Total	94034	100.0%

**BRPC-47: Vehicle Body Type (Weighted) –
BODY**

Vehicle Body Type	Count	Percent
Car/Station Wagon	42811	45.5%
Van (any type)	8205	8.7%
SUV	20863	22.2%
Pickup Truck	13655	14.5%
Other type of truck	407	0.4%
Motorcycle	1660	1.8%
Other, SPECIFY	891	0.9%
Refused	5542	5.9%
Total	94034	100.0%

**BRPC-48: Vehicle Fuel Type (Weighted) -
FUEL**

Vehicle Fuel Type	Count	Percent
Gas	90612	96.4%
Diesel	1681	1.8%
Hybrid	1250	1.3%
Flex Fuel	360	0.4%
Don't Know	131	0.1%
Total	94034	100.0%

Place Characteristics

BRPC-49: Primary Trip Purpose (Weighted) – TPURP

Primary Trip Purpose	Count	Percent
All other home activities	268341	45.8%
Work/Job	47151	8.1%
Routine shopping (groceries, clothing, convenience store, HH maintenance)	45846	7.8%
Visit friends/relatives	28712	4.9%
Household errands (bank, dry cleaning, etc.)	22067	3.8%
Work Business Related	21241	3.6%
Eat meal outside of home	19485	3.3%
Attending Class	19477	3.3%
Personal business (visit government office, attorney, accountant)	17612	3.0%
Indoor recreation/entertainment	13712	2.3%
Drop off passenger from car	13347	2.3%
Health care (doctor, dentist)	12973	2.2%
Pick up passenger from car	12432	2.1%
Changed type of transportation	11769	2.0%
Service private vehicle (gas, oil lube, etc.)	7566	1.3%
Outdoor recreation/entertainment	7192	1.2%
Civic/Religious activities	4281	0.7%
Working at home (for pay)	2810	0.5%
Shopping for major purchases or specialty items (appliance, electronics, new vehicle, major HH repairs)	2621	0.4%
Loop trip	2515	0.4%
All other School Activities	2047	0.3%
All other activities at work	1444	0.2%
Other, SPECIFY	959	0.2%
While Traveling -- Other, Specify	0	0.0%
Volunteer Work/Activities	0	0.0%
Total	585602	100.0%

BRPC-50: Total People Traveling in Travel Party, Including Respondent (Weighted) – TOTTR

Total People Traveling	Count	Percent
1 person	255239	57.2%
2 persons	130925	29.3%
3 persons	36630	8.2%
4 persons	13681	3.1%
5 persons	10091	2.3%
Total	446566	100.0%

BRPC-51: Parking Location (Weighted) – PRKTY

Parking Location	Count	Percent
Parking Lot	174540	44.2%
Parking Garage	4116	1.0%
Street	28622	7.2%
Driveway/personal garage	150932	38.2%
Did not park	26583	6.7%
Other, SPECIFY	943	0.2%
Don't Know	9112	2.3%
Refused	380	0.1%
Total	395227	100.0%

BRPC-52: Paid to Park (Weighted) – PRKCS

Paid to Park	Count	Percent
Did not Pay	362668	91.8%
Did Pay, record amount	1269	0.3%
Don't Know	4185	1.1%
Refused	27105	6.9%
Total	395227	100.0%

BRPC-53: How Parking Fare was Paid (Weighted) – PRKHW

How Parking Fare was Paid	Count	Percent
Cash/Credit/Debit Card	896	70.6%
Per-Paid parking Pass	253	19.9%
Employer-Provided Parking Pass	121	9.5%
Total	1269	100.0%

BRPC-54: Toll Road Used on Trip (Weighted) – TOLL (Use a Toll road)?

Use a Toll Road	Count	Percent
Yes	2815	0.7%
No	381482	96.5%
Don't Know	10550	2.7%
Refused	380	0.1%
Total	395227	100.0%

BRPC-55: Toll Road Used (Weighted) – TOLLT (Which Toll road was used)?

Which Toll Road was Used	Count	Percent
Turnpike	2815	100.0%
Total	2815	100.0%

Travel Behavior

BRPC-56: Average Household and Person Trip Rates (Weighted)

	Average Trip Rate
Household	10.6
Person	4.1

BRPC-57: Trip Rates by Household Size (Weighted)

Household Size	Trip Rate
1	4.5
2	8.3
3	13.6
4	17.5
5	22.2
6	26.6
7	24.8
8 or more	29.8
Total	10.6

BRPC-58: Trip Rates by Number of Household Workers (Weighted)

Household Workers	Trip Rate
0	6.6
1	9.7
2	13.1
3	16.8
4	22.0
5	27.2
6	22.7
Total	10.6

BRPC-59: Trip Rates by Household Income (Weighted)

Household Income	Trip Rate
Less than \$15,000	8.3
\$15,000-\$24,999	9.2
\$25,000-\$34,999	8.4
\$35,000-\$49,999	9.4
\$50,000-\$74,999	10.2
\$75,000-\$99,999	11.4
\$100,000-\$149,999	13.2
\$150,000 or more	13.3
Don't Know/Refused	9.8
Total	10.6

BRPC-60: All Trip Modes (Weighted)

Transportation Mode	Count	Percent
Walk	45027	9.7%
Bike	2205	0.5%
Auto/Van/Truck Driver	292944	63.1%
Auto/Van/Truck Passenger	101832	21.9%
Public Bus	2945	0.6%
Train	443	0.1%
Dial-A-Ride/Paratransit	595	0.1%
Taxi	2205	0.5%
School bus	15607	3.4%
Motorcycle Driver	451	0.1%
Other, SPECIFY	123	0.0%
Total	464378	100.0%

BRPC-61: Mode to Work (Weighted)

Mode to Work	Count	Percent
Works from home	4772	8.2%
Walk	3335	5.8%
Bike	720	1.2%
Auto/Van/Truck Driver	45793	79.0%
Auto/Van/Truck Passenger	2374	4.1%
Bus / Public Transit	440	0.8%
Other, SPECIFY	305	0.5%
Refused	224	0.4%
Total	57965	100.0%

BRPC-62: Mode to School (Weighted)

Mode to School	Count	Percent
Home schooled	1087	3.8%
Walk	559	2.0%
Bike	218	0.8%
Auto/Van/Truck Driver	6233	22.1%
Auto/Van/Truck Passenger	7512	26.6%
Bus / Public Transit	235	0.8%
School Bus	11839	41.9%
Other, SPECIFY	566	2.0%
Total	28250	100.0%

Survey Results for Franklin Transportation Planning Organization (FRCOG)

Household Characteristics

FRCOG-1: Household Size (Weighted) – HHSIZ

Household Size	Count	Percent
1	8369	27.5%
2	11006	36.1%
3	4378	14.4%
4	4256	14.0%
5	1975	6.5%
6	309	1.0%
7	154	0.5%
Total	30447	100.0%

FRCOG-2: Transit Used on Regular Basis (Weighted) –RIBUS

Transit Used on Regular Basis	Count	Percent
Yes	2262	7.4%
No	28185	92.6%
Total	30447	100.0%

FRCOG-3: Household Bicycles (Weighted) – HHBIC

Household Bicycles	Count	Percent
0	11050	36.3%
1	5354	17.6%
2	5655	18.6%
3	3189	10.5%
4	2813	9.2%
5	941	3.1%
6	610	2.0%
7	197	0.6%
8	639	2.1%
Total	30447	100.0%

FRCOG-4: Household Number of Vehicles (Weighted)-HHVEH

Household Vehicles	Count	Percent
0	1190	3.9%
1	11945	39.2%
2	11976	39.3%
3	3153	10.4%
4	1199	3.9%
5	529	1.7%
6	277	0.9%
8 or More	179	0.6%
Total	30447	100.0%

FRCOG-5: Household Ethnicity (Weighted)- RACE

Household Ethnicity	Count	Percent
White Alone	28997	95.2%
Black or African American Alone	170	0.6%
Some Other Race Alone	221	0.7%
Two or More Races	670	2.2%
Refused	389	1.3%
Total	30447	100.0%

FRCOG-6: Hispanic or Latino Households (Weighted) – HISP

Hispanic or Latino Household	Count	Percent
Yes	318	1.0%
No	29939	98.3%
Refused	190	0.6%
Total	30447	100.0%

FRCOG-7: Household Residence Type (Weighted)-RESTY

Household Residence Type	Count	Percent
Single Family Detached Dwelling	21874	71.8%
Building with 2-4 Units	6715	22.1%
Building with 5-19 Units	1483	4.9%
Building with 20 or More Units	374	1.2%
Total	30447	100.0%

FRCOG-8: Ownership of Household Residence (Weighted) – OWN

Home Ownership	Count	Percent
Own/Mortgaged	21461	70.5%
Renter	8986	29.5%
Total	30447	100.0%

FRCOG-9: Cell phone lines in Household (Weighted) – CPLNS

Cell Phones in Household	Count	Percent
0	5675	18.6%
1	10160	33.4%
2	9282	30.5%
3	3130	10.3%
4	1826	6.0%
5	374	1.2%
Total	30447	100.0%

FRCOG-10: Landlines in Household (Weighted)-PHLNS

Landlines in Household	Count	Percent
0	273	0.9%
1	28841	94.7%
2	696	2.3%
3	529	1.7%
4	0	0%
5	107	0.4%
Total	30447	100.0%

**FRCOG-11: Fax Lines in Household
(Weighted) – FXLNS**

Fax Lines in Household	Count	Percent
0	633	47.5%
1	700	52.5%
Total	1333	100.0%

**FRCOG-12: Household Income (Weighted) –
INCOME**

Household Income	Count	Percent
Less than \$15,000	3165	10.4%
\$15,000-\$24,999	4378	14.4%
\$25,000-\$34,999	4898	16.1%
\$35,000-\$49,999	4347	14.3%
\$50,000-\$74,999	5766	18.9%
\$75,000-\$99,999	4531	14.9%
\$100,000-\$149,999	1453	4.8%
\$150,000 or more	771	2.5%
Don't Know/Refused	1139	3.7%
Total	30447	100.0%

**FRCOG-13: Trips Made by Household on
Travel Day (Weighted) – HTRIPS**

Trips Made by Household on Travel Day	Count	Percent
None	1743	5.7%
1 to 5	9184	30.2%
6 to 10	9050	29.7%
11 to 15	5160	16.9%
16 to 20	3257	10.7%
21 to 30	1578	5.2%
31 to 50	475	1.6%
Total	30447	100.0%

**FRCOG-14: Household Students (Weighted) –
HHSTU**

Household Students	Count	Percent
0	19437	63.8%
1	4376	14.4%
2	3985	13.1%
3	2003	6.6%
4	490	1.6%
5	156	0.5%
Total	30447	100.0%

**FRCOG-15: Household Workers (Weighted)
– HHWRK**

Household Workers	Count	Percent
0	7501	24.6%
1	11211	36.8%
2	9394	30.9%
3	2069	6.8%
4	272	0.9%
Total	30447	100.0%

**FRCOG-16: Licensed Drivers in Household
(Weighted) –HHLIC**

Licensed Drivers in Household	Count	Percent
0	600	2.0%
1	11313	37.2%
2	15185	49.9%
3	2786	9.2%
4	291	1.0%
5	116	0.4%
6	156	0.5%
Total	30447	100.0%

FRCOG-17: Distribution of Households by Day of Week of Travel (Weighted) – DAY

Day of Week of Travel	Count	Percent
Monday	5996	19.7%
Tuesday	6891	22.6%
Wednesday	5643	18.5%
Thursday	5683	18.7%
Friday	6234	20.5%
Total	30447	100.0%

Person Characteristics

**FRCOG-18: Respondent Gender (Weighted)
– GEND**

Respondent Gender	Count	Percent
Male	34908	47.7%
Female	38257	52.3%
Total	73165	100.0%

**FRCOG-19: Age Distribution (Weighted) –
AGE**

Age Distribution	Count	Percent
Younger than 20	17607	24.1%
20 to 34 years	14630	20.0%
35 to 54 years	20559	28.1%
55 to 64 years	9572	13.1%
65 years or older	9194	12.6%
Refused Age	1603	2.2%
Total	73165	100.0%

**FRCOG-20: Valid Driver's License
(Weighted)-LIC**

Valid Driver's License	Count	Percent
Yes	52426	89.9%
No	5859	10.1%
Total	58285	100.0%

**FRCOG-21: Respondent has Transit Pass
(Weighted) – TRANS**

Respondent has Transit Pass	Count	Percent
Yes	2636	4.5%
No	55356	95.0%
Don't Know	293	0.5%
Total	58285	100.0%

**FRCOG-22: Transit Pass Type (Weighted)-
PASST1, PASST2, PASST3**

Transit Pass Type, Multiple Response	Count	Percent
Local Bus Pass	657	24.9%
Link Pass	61	2.3%
Charlie Card	1087	41.2%
Other, specify	633	24.0%
Don't Know	198	7.5%
Total	2636	100.0%

**FRCOG-23: Worker Status, Computed
(Weighted) – WORKS**

Worker Status, Computed	Count	Percent
Yes	37080	63.6%
No	21205	36.4%
Total	58285	100.0%

**FRCOG-24: Employment Status, Non-workers
(Weighted) – WKSTAT**

Employment Status, Non workers	Count	Percent
Retired	7692	36.3%
Disabled/On Disability Status	3721	17.5%
Homemaker	2416	11.4%
Unemployed but looking for work	1863	8.8%
Unemployed and not looking for work	724	3.4%
Student	4543	21.4%
Other, SPECIFY	246	1.2%
Total	21205	100.0%

**FRCOG-25: Average Number of Jobs
(Weighted)-JOBS**

Jobs	Average
Average Number of Jobs	1.19

**FRCOG-26: Hours Worked per Day
(Weighted) - HOURS**

Hours Worked per Day	Count	Percent
1	76	0.2%
2	337	0.9%
3	1397	3.8%
4	2239	6.0%
5	2490	6.7%
6	3919	10.6%
7	3674	9.9%
8	14389	38.8%
9	2883	7.8%
10	3171	8.6%
11	208	0.6%
12	1605	4.3%
13	132	0.4%
14	447	1.2%
16	56	0.2%
RF	58	0.2%
Total	37080	100.0%

**FRCOG-27: Respondent Average Number of
Days Worked Per Week (Weighted) – WDAY**

Days Worked Per Week	Count	Percent
1	475	1.3%
2	1314	3.5%
3	3228	8.7%
4	4330	11.7%
5	23151	62.4%
6	3348	9.0%
7	1026	2.8%
Don't Know	207	0.6%
Total	37080	100.0%

**FRCOG-28: Telecommute Status (Weighted)
- TELEW**

Worker Telecommutes	Count	Percent
Yes	5941	16.0%
No	30726	82.9%
Don't Know	413	1.1%
Total	37080	100.0%

FRCOG-29: Flexible Work Program Offered at Work (Weighted) – SCHED

Flexible Work Program Offered at Work	Count	Percent
Yes	7277	19.6%
No	28499	76.9%
Don't Know	1304	3.5%
Total	37080	100.0%

FRCOG-30: Type of Flexible Work Programs Offered, Multiple Response (Weighted)- FLEXP1, FLEXP2, FLEXP3

Type of Flexible Work Programs Offered, Multiple Response	Count	Percent
9/80 Work Period	282	3.6%
Early Arrival/Departure	2558	32.6%
4/40 Work Week	686	8.7%
Flexible Hours	2052	26.2%
Other, Specify	841	10.7%
Don't Know	1040	13.3%
Refused	382	4.9%
Total	7841	100.0%

FRCOG-31: Respondent Participates in Flexible Work Program (Weighted)-FLEXT

Respondent Participates in Flexible Work Program	Count	Percent
Yes	5541	76.1%
No	1628	22.4%
Don't Know	108	1.5%
Total	7277	100.0%

FRCOG-32: Disabled License Plate (Weighted)- EDISA

Disabled License Plate	Count	Percent
Yes	4266	6.1%
No	65295	93.5%
Refused	253	0.4%
Total	69814	100.0%

FRCOG-33: Disabled Transit Registration (Weighted) –EDIS2

Disabled Transit Registration	Count	Percent
Yes	1863	2.7%
No	67544	96.7%
Don't Know	154	0.2%
Refused	253	0.4%
Total	69814	100.0%

**FRCOG-34: Level of Education Completed
(Weighted) –EDUCA**

Level of Education Completed	Count	Percent
Not a high school graduate, 12th grade or less. (Includes very young children)	19172	26.2%
High school graduate (high school diploma or GED)	15558	21.3%
Some college credit but no degree	8140	11.1%
Associate or technical school degree	6405	8.8%
Bachelor's or undergraduate degree	13200	18.0%
Graduate Degree (includes professional degrees, MD, DDs, JD)	10538	14.4%
Don't Know	152	0.2%
Total	73165	100.0%

**FRCOG-35: School Enrollment Status
(Weighted)-ENROL**

School Enrollment Status	Count	Percent
Yes	22571	30.9%
No	50593	69.1%
Total	73165	100.0%

**FRCOG-36: Full-time / Part-time Student
Status (Weighted)-FPTIM**

Full-time / Part-time Student Status	Count	Percent
Part-time	4103	18.2%
Full-time	18469	81.8%
Total	22571	100.0%

**FRCOG-37: Student Grade Level Attends
(Weighted)-SCHOL**

Student Grade Level	Count	Percent
Daycare	160	0.7%
Nursery School, Preschool	673	3.0%
Kindergarten to Grade 8	10459	46.3%
Grade 9 to 12	4915	21.8%
Technical/Vocational School	124	0.5%
Two-year college (community college)	3756	16.6%
4-year college or university	1198	5.3%
Graduate School/Professional	1286	5.7%
Total	22571	100.0%

**FRCOG-38: Transit Trips Made in Past Week
(Weighted)- TTRIP**

Transit Trips Made in Past Week	Count	Percent
0	63736	87.1%
1	265	0.4%
2	1569	2.1%
3	305	0.4%
4	1384	1.9%
5	662	0.9%
6	805	1.1%
7	272	0.4%
8	295	0.4%
10	470	0.6%
12	1174	1.6%
14	856	1.2%
16	274	0.4%
20	133	0.2%
30	206	0.3%
Don't Know	758	1.0%
Total	73165	100.0%

**FRCOG-39: Bike Facilities Available at
Work/School (Weighted)- BIKFA**

Bike Facilities Available at Work/School	Count	Percent
Yes	29507	53.6%
No	19954	36.2%
Don't Know	4612	8.4%
Refused	991	1.8%
Total	55064	100.0%

**FRCOG-40: Days Used Bike for Recreation in
Past Week (Weighted)- BIKD1**

Days Used Bike for Recreation in Past Week	Count	Percent
0	36097	65.2%
1	4312	7.8%
2	2828	5.1%
3	2398	4.3%
4	468	0.8%
5	556	1.0%
6	125	0.2%
7	659	1.2%
Don't Know	5532	10.0%
Refused	2427	4.4%
Total	55400	100.0%

**FRCOG-41: Days Used Bike for Transportation
in Past Week (Weighted) – BIKD2**

Days Used Bike for Transportation in Past Week	Count	Percent
0	43886	79.2%
1	860	1.6%
2	763	1.4%
3	755	1.4%
4	137	0.2%
5	370	0.7%
6	420	0.8%
7	74	0.1%
Don't Know	5708	10.3%
Refused	2427	4.4%
Total	55400	100.0%

**FRCOG-42: Bike Lanes/Trails Used
(Weighted) – BIKRD**

Bike Lanes/Trails Used for Non-Recreational Purposes	Count	Percent
Off-Road	4409	8.0%
On-Road	15787	28.5%
Both	12364	22.3%
Don't Know	18422	33.3%
Refused	4418	8.0%
Total	55400	100.0%

**FRCOG-43: Internet was Used on Travel Day
in Place of Trips (Weighted)-INUSE**

Internet was used on Travel Day in Place of Trips	Count	Percent
Yes	3658	5.0%
No	66218	90.5%
Don't Know	3288	4.5%
Total	73165	100.0%

**FRCOG-44: Reason for Non-Travel
(Weighted)-NOGO**

Reason for Non-Travel	Count	Percent
Personally Sick	1340	15.4%
Homebound Elderly or Disabled	1150	13.2%
Worked at Home for Pay	338	3.9%
Worked Around Home (Not for Pay)	1735	20.0%
Out of Area	413	4.8%
Other, SPECIFY	3711	42.7%
Total	8688	100.0%

Vehicle Characteristics

FRCOG-45: Vehicle Year (Weighted) – YEAR

Vehicle Year	Count	Percent
1964 or older	159	0.3%
1965-1979	627	1.1%
1980-1989	1409	2.6%
1990-1999	14048	25.7%
2000-2003	14742	27.0%
2004-2006	11627	21.3%
2007	3258	6.0%
2008	2873	5.3%
2009	2066	3.8%
2010	3165	5.8%
2011	660	1.2%
Total	54635	100.0%

FRCOG-46: Vehicle Make (Weighted) – MAKE

Vehicle Make	Count	Percent
Acura	133	0.2%
Audi	183	0.3%
BMW	413	0.7%
Buick	946	1.7%
Cadillac	218	0.4%
Chevrolet	5771	10.3%
Chrysler	1046	1.9%
Dodge	2830	5.1%
Ford	5026	9.0%
Geo	233	0.4%
GMC	2075	3.7%
Harley Davidson	594	1.1%
Honda	6426	11.5%
Hyundai	2559	4.6%
Infiniti	81	0.1%
Isuzu	114	0.2%
Jaguar	82	0.1%
Jeep	1551	2.8%
Kawasaki	80	0.1%
Kia	319	0.6%
Lexus	103	0.2%
Lincoln	87	0.2%
Mazda	918	1.6%
Mercedes	521	0.9%
Mercury	251	0.4%

Vehicle Make	Count	Percent
Mitsubishi	125	0.2%
Nissan	1989	3.6%
Oldsmobile	371	0.7%
Plymouth	301	0.5%
Pontiac	684	1.2%
Saab	750	1.3%
Saturn	1299	2.3%
Subaru	3385	6.1%
Suzuki	257	0.5%
Toyota	9462	16.9%
Volkswagen	1675	3.0%
Volvo	1357	2.4%
Yamaha	643	1.2%
Other, SPECIFY	1026	1.8%
Total	55885	100.0%

FRCOG-47: Vehicle Body Type (Weighted) – BODY

Vehicle Body Type	Count	Percent
Car/Station Wagon	26029	46.6%
Van (any type)	4065	7.3%
SUV	12106	21.7%
Pickup Truck	8477	15.2%
Other type of truck	237	0.4%
RV	381	0.7%
Motorcycle	1539	2.8%
Other, Specify	156	0.3%
Refused	2896	5.2%
Total	55885	100.0%

FRCOG-48: Vehicle Fuel Type (Weighted) - FUEL

Vehicle Fuel Type	Count	Percent
Gas	53110	95.0%
Diesel	1952	3.5%
Hybrid	559	1.0%
Flex Fuel	264	0.5%
Total	55885	100.0%

Place Characteristics

FRCOG-49: Primary Trip Purpose (Weighted) – TPURP

Primary Trip Purpose	Count	Percent
All other home activities	161678	45.9%
Work/Job	28514	8.1%
Routine shopping (groceries, clothing, convenience store, HH maintenance)	27468	7.8%
Visit friends/relatives	15237	4.3%
Drop off passenger from car	13638	3.9%
Attending Class	13005	3.7%
Eat meal outside of home	12345	3.5%
Household errands (bank, dry cleaning, etc.)	10537	3.0%
Work Business Related	10526	3.0%
Indoor recreation/entertainment	9169	2.6%
Personal business (visit government office, attorney, accountant)	8881	2.5%
Pick up passenger from car	8763	2.5%
Outdoor recreation/entertainment	8150	2.3%
Changed type of transportation	6081	1.7%
Health care (doctor, dentist)	3934	1.1%
Service private vehicle (gas, oil lube, etc.)	3030	0.9%
Working at home (for pay)	2577	0.7%
Civic/Religious activities	2308	0.7%
All other School Activities	1654	0.5%
Loop trip	1337	0.4%
All other activities at work	1188	0.3%
Other, SPECIFY	1050	0.3%
Shopping for major purchases or specialty items (appliance, electronics, new vehicle, major HH repairs)	861	0.2%
While Traveling -- Other, Specify	0	0.0%
Volunteer Work/Activities	0	0.0%
Total	351930	100.0%

FRCOG-50: Total People Traveling in Travel Party, Including Respondent (Weighted) – TOTTR

Total People Traveling	Count	Percent
1 person	149378	55.4%
2 persons	68918	25.6%
3 persons	38451	14.3%
4 persons	11433	4.2%
5 persons	1511	0.6%
Total	269690	100.0%

FRCOG-51: Parking Location (Weighted) – PRKTY

Parking Location	Count	Percent
Parking Lot	106506	43.8%
Parking Garage	1058	0.4%
Street	21951	9.0%
Driveway/personal garage	88592	36.4%
Did not park	22777	9.4%
Other, SPECIFY	819	0.3%
Don't Know	333	0.1%
Refused	1186	0.5%
Total	243222	100.0%

FRCOG-52: Paid to Park (Weighted) – PRKCS

Paid to Park	Count	Percent
Did not Pay	216293	88.9%
Did Pay, record amount	3300	1.4%
Don't Know	348	0.1%
Refused	23281	9.6%
Total	243222	100.0%

FRCOG-53: How Parking Fare was Paid (Weighted) – PRKHW

How Parking Fare was Paid	Count	Percent
Cash/Credit/Debit Card	3026	91.7%
Per-Paid parking Pass	76	2.3%
Employer-Provided Parking Pass	94	2.8%
Refused	104	3.2%
Total	3300	100.0%

FRCOG-54: Toll Road Used on Trip (Weighted) – TOLL (Use a Toll road)?

Use a Toll Road	Count	Percent
Yes	811	0.3%
No	234004	96.2%
Don't Know	7353	3.0%
Refused	1054	0.4%
Total	243222	100.0%

FRCOG-55: Toll Road Used (Weighted) – TOLLT (Which Toll road was used)?

Which Toll Road was Used	Count	Percent
Turnpike	811	100.0%
Total	811	100.0%

Travel Behavior

FRCOG-56: Average Household and Person Trip Rates (Weighted)

	Average Trip Rate
Household	10.6
Person	4.1

FRCOG-57: Trip Rates by Household Size (Weighted)

Household Size	Trip Rate
1	4.5
2	8.3
3	13.6
4	17.5
5	22.2
6	26.6
7	24.8
8 or more	29.8
Total	10.6

FRCOG-58: Trip Rates by Number of Household Workers (Weighted)

Household Workers	Trip Rate
0	6.6
1	9.7
2	13.1
3	16.8
4	22.0
5	27.2
6	22.7
Total	10.6

FRCOG-59: Trip Rates by Household Income (Weighted)

Household Income	Trip Rate
Less than \$15,000	8.3
\$15,000-\$24,999	9.2
\$25,000-\$34,999	8.4
\$35,000-\$49,999	9.4
\$50,000-\$74,999	10.2
\$75,000-\$99,999	11.4
\$100,000-\$149,999	13.2
\$150,000 or more	13.3
Don't Know/Refused	9.8
Total	10.6

FRCOG-60: All Trip Modes (Weighted)

Transportation Mode	Count	Percent
Walk	20112	7.2%
Bike	4363	1.6%
Auto/Van/Truck Driver	182417	65.4%
Auto/Van/Truck Passenger	59790	21.4%
Public Bus	1157	0.4%
Dial-A-Ride/Paratransit	268	0.1%
Taxi	1658	0.6%
School bus	7417	2.7%
Motorcycle Driver	1016	0.4%
Other, SPECIFY	568	0.2%
Total	278766	100.0%

FRCOG-61: Mode to Work (Weighted)

Mode to Work	Count	Percent
Works from home	2731	7.4%
Walk	972	2.6%
Bike	106	0.3%
Auto/Van/Truck Driver	29757	80.3%
Auto/Van/Truck Passenger	2287	6.2%
Bus / Public Transit	614	1.7%
Other, SPECIFY	507	1.4%
Refused	105	0.3%
Total	37080	100.0%

FRCOG-62: Mode to School (Weighted)

Mode to School	Count	Percent
Home schooled	1233	5.5%
Walk	994	4.4%
Bike	1019	4.5%
Auto/Van/Truck Driver	4451	19.7%
Auto/Van/Truck Passenger	8412	37.3%
Bus / Public Transit	469	2.1%
School Bus	5004	22.2%
Other, SPECIFY	609	2.7%
Don't Know	378	1.7%
Total	22571	100.0%

Survey Results for Martha's Vineyard MPO (MVC)

Household Characteristics

MVC-1: Household Size (Weighted) – HHSIZ

Household Size	Count	Percent
1	1325	24.0%
2	2979	53.9%
3	336	6.1%
4	699	12.6%
5	83	1.5%
6	0	0%
7	108	2.0%
Total	5530	100.0%

MVC-2: Transit Used on Regular Basis (Weighted) –RIBUS

Transit Used on Regular Basis	Count	Percent
Yes	1045	18.9%
No	4325	78.2%
Don't Know	160	2.9%
Total	5530	100.0%

MVC-3: Household Bicycles (Weighted) – HHBIC

Household Bicycles	Count	Percent
0	831	15.0%
1	1028	18.6%
2	1643	29.7%
3	248	4.5%
4	1040	18.8%
5	521	9.4%
6	220	4.0%
Total	5530	100.0%

MVC-4: Household Number of Vehicles (Weighted)-HHVEH

Household Vehicles	Count	Percent
1	1687	30.5%
2	2717	49.1%
3	791	14.3%
4	215	3.9%
7	121	2.2%
Total	5530	100.0%

**MVC-5: Household Ethnicity (Weighted)-
RACE**

Household Ethnicity	Count	Percent
White Alone	5239	94.7%
American Indian or Alaskan Native Alone	107	1.9%
Refused	183	3.3%
Total	5530	100.0%

**MVC-6: Hispanic or Latino Households
(Weighted) – HISP**

Hispanic or Latino Household	Count	Percent
Yes	310	5.6%
No	5036	91.1%
Refused	183	3.3%
Total	5530	100.0%

**MVC-7: Household Residence Type
(Weighted)-RETY**

Household Residence Type	Count	Percent
Single Family Detached Dwelling	5079	91.8%
Building with 2-4 Units	451	8.2%
Total	5530	100.0%

**MVC-8: Ownership of Household Residence
(Weighted) – OWN**

Home Ownership	Count	Percent
Own/Mortgaged	4993	90.3%
Renter	537	9.7%
Total	5530	100.0%

**MVC-9: Cell phone lines in Household
(Weighted) – CPLNS**

Cell Phones in Household	Count	Percent
0	499	9.0%
1	1319	23.9%
2	3101	56.1%
3	301	5.4%
4	201	3.6%
5	108	2.0%
Total	5530	100.0%

**MVC-10: Landlines in Household
(Weighted)-PHLNS**

Landlines in Household	Count	Percent
1	4912	88.8%
2	618	11.2%
Total	5530	100.0%

**MVC-11: Fax Lines in Household (Weighted)
– FXLNS**

Fax Lines in Household	Count	Percent
0	451	73.0%
1	167	27.0%
Total	618	100.0%

**MVC-12: Household Income (Weighted) –
INCOME**

Household Income	Count	Percent
Less than \$15,000	317	5.7%
\$15,000-\$24,999	310	5.6%
\$25,000-\$34,999	316	5.7%
\$35,000-\$49,999	1336	24.2%
\$50,000-\$74,999	1277	23.1%
\$75,000-\$99,999	910	16.5%
\$100,000-\$149,999	414	7.5%
\$150,000 or more	137	2.5%
Don't Know/Refused	511	9.2%
Total	5530	100.0%

**MVC-13: Trips Made by Household on Travel
Day (Weighted) – HTRIPS**

Trips Made by Household on Travel Day	Count	Percent
1 to 5	1900	34.4%
6 to 10	1752	31.7%
11 to 15	803	14.5%
16 to 20	268	4.8%
21 to 30	807	14.6%
Total	5530	100.0%

**MVC-14: Household Students (Weighted) –
HHSTU**

Household Students	Count	Percent
0	4516	81.7%
1	282	5.1%
2	541	9.8%
3	191	3.5%
Total	5530	100.0%

MVC-15: Household Workers (Weighted) – HHWRK

Household Workers	Count	Percent
0	1496	27.1%
1	1735	31.4%
2	2109	38.1%
3	190	3.4%
Total	5530	100.0%

MVC-16: Licensed Drivers in Household (Weighted) –HHLIC

Licensed Drivers in Household	Count	Percent
1	1829	33.1%
2	3258	58.9%
3	336	6.1%
4	108	2.0%
Total	5530	100.0%

MVC-17: Distribution of Households by Day of Week of Travel (Weighted) – DAY

Day of Week of Travel	Count	Percent
Monday	1950	35.3%
Tuesday	647	11.7%
Wednesday	952	17.2%
Thursday	729	13.2%
Friday	1252	22.6%
Total	5530	100.0%

Person Characteristics

MVC-18: Respondent Gender (Weighted) – GEND

Respondent Gender	Count	Percent
Male	5465	44.3%
Female	6881	55.7%
Total	12346	100.0%

MVC-19: Age Distribution (Weighted) –AGE

Age Distribution	Count	Percent
Younger than 20	1896	15.4%
20 to 34 years	2316	18.8%
35 to 54 years	2905	23.5%
55 to 64 years	1898	15.4%
65 years or older	2653	21.5%
Refused Age	678	5.5%
Total	12346	100.0%

MVC-20: Valid Driver's License (Weighted)- LIC

Valid Driver's License	Count	Percent
Yes	9967	94.3%
No	598	5.7%
Total	10564	100.0%

MVC-21: Respondent has Transit Pass (Weighted) – TRANS

Respondent has Transit Pass	Count	Percent
Yes	506	4.8%
No	10058	95.2%
Total	10564	100.0%

MVC-22: Transit Pass Type (Weighted)- PASST1, PASST2, PASST3

Transit Pass Type, Multiple Response	Count	Percent
Local Bus Pass	114	22.5%
Ferry / Board Pass	392	77.5%
Total	506	100.0%

MVC-23: Worker Status, Computed (Weighted) – WORKS

Worker Status, Computed	Count	Percent
Yes	6507	61.6%
No	4057	38.4%
Total	10564	100.0%

**MVC-24: Employment Status, Non-workers
(Weighted) – WKSTAT**

Employment Status, Non workers	Count	Percent
Retired	2540	62.6%
Disabled/On Disability Status	292	7.2%
Homemaker	435	10.7%
Unemployed but looking for work	677	16.7%
Student	114	2.8%
Total	4057	100.0%

**MVC-25: Average Number of Jobs
(Weighted)-JOBS**

Jobs	Average
Average Number of Jobs	1.13

**MVC-26: Hours Worked per Day (Weighted)
- HOURS**

Hours Worked per Day	Count	Percent
1	61	0.9%
2	103	1.6%
3	261	4.0%
4	200	3.1%
5	277	4.3%
6	644	9.9%
7	564	8.7%
8	2477	38.1%
9	571	8.8%
10	918	14.1%
12	74	1.1%
15	98	1.5%
Don't Know	261	4.0%
Total	6507	100.0%

**MVC-27: Respondent Average Number of
Days Worked Per Week (Weighted) – WDAY**

Days Worked Per Week	Count	Percent
1	168	2.6%
4	438	6.7%
5	3476	53.4%
6	1456	22.4%
7	969	14.9%
Total	6507	100.0%

**MVC-28: Telecommute Status (Weighted) -
TELEW**

Worker Telecommutes	Count	Percent
Yes	1707	26.2%
No	4800	73.8%
Total	6507	100.0%

**MVC-29: Flexible Work Program Offered at
Work (Weighted) – SCHED**

Flexible Work Program Offered at Work	Count	Percent
Yes	1753	26.9%
No	4646	71.4%
Refused	107	1.6%
Total	6507	100.0%

**MVC-30: Type of Flexible Work Programs
Offered, Multiple Response (Weighted)-
FLEXP1, FLEXP2, FLEXP3**

Type of Flexible Work Programs Offered, Multiple Response	Count	Percent
9/80 Work Period	0	0%
Early Arrival/Departure	368	21.0%
4/40 Work Week	0	0%
Flexible Hours	415	23.7%
Other, Specify	658	37.5%
Don't Know	146	8.4%
Refused	166	9.5%
Total	1753	100.0%

**MVC-31: Respondent Participates in Flexible
Work Program (Weighted)-FLEXT**

Respondent Participates in Flexible Work Program	Count	Percent
Yes	1479	84.3%
No	275	15.7%
Total	1753	100.0%

**MVC-32: Disabled License Plate (Weighted)-
EDISA**

Disabled License Plate	Count	Percent
Yes	1951	16.5%
No	9885	83.5%
Total	11836	100.0%

**MVC-33: Disabled Transit Registration
(Weighted) –EDIS2**

Disabled Transit Registration	Count	Percent
Yes	133	1.1%
No	11702	98.9%
Total	11836	100.0%

**MVC-34: Level of Education Completed
(Weighted) –EDUCA**

Level of Education Completed	Count	Percent
Not a high school graduate, 12th grade or less. (Includes very young children)	1896	15.4%
High school graduate (high school diploma or GED)	3787	30.7%
Some college credit but no degree	1407	11.4%
Associate or technical school degree	1001	8.1%
Bachelor's or undergraduate degree	2185	17.7%
Graduate Degree (includes professional degrees, MD, DDs, JD)	2070	16.8%
Total	12346	100.0%

**MVC-35: School Enrollment Status
(Weighted)-ENROL**

School Enrollment Status	Count	Percent
Yes	1961	15.9%
No	10386	84.1%
Total	12346	100.0%

**MVC-36: Full-time / Part-time Student Status
(Weighted)-FPTIM**

Full-time / Part-time Student Status	Count	Percent
Part-time	755	38.5%
Full-time	1205	61.5%
Total	1961	100.0%

**MVC-37: Student Grade Level Attends
(Weighted)-SCHOL**

Student Grade Level	Count	Percent
Nursery School, Preschool	103	5.3%
Kindergarten to Grade 8	1225	62.5%
Grade 9 to 12	264	13.5%
Two-year college (community college)	128	6.5%
Graduate School/Professional	241	12.3%
Total	1961	100.0%

**MVC-38: Transit Trips Made in Past Week
(Weighted)- TTRIP**

Transit Trips Made in Past Week	Count	Percent
0	8686	70.4%
2	1425	11.5%
3	150	1.2%
5	638	5.2%
6	587	4.8%
10	255	2.1%
14	395	3.2%
16	78	0.6%
20	133	1.1%
Total	12346	100.0%

**MVC-39: Bike Facilities Available at
Work/School (Weighted)- BIKFA**

Bike Facilities Available at Work/School	Count	Percent
Yes	5336	65.9%
No	2086	25.8%
Don't Know	616	7.6%
Refused	61	0.7%
Total	8099	100.0%

MVC-40: Days Used Bike for Recreation in Past Week (Weighted)- BIKD1

Days Used Bike for Recreation in Past Week	Count	Percent
0	8007	73.7%
1	1068	9.8%
2	357	3.3%
4	125	1.1%
5	205	1.9%
7	249	2.3%
Don't Know	856	7.9%
Total	10866	100.0%

MVC-41: Days Used Bike for Transportation in Past Week (Weighted) – BIKD2

Days Used Bike for Transportation in Past Week	Count	Percent
0	8700	80.1%
1	639	5.9%
2	173	1.6%
5	250	2.3%
7	249	2.3%
Don't Know	856	7.9%
Total	10866	100.0%

MVC-42: Bike Lanes/Trails Used (Weighted) – BIKRD

Bike Lanes/Trails Used for Non-Recreational Purposes	Count	Percent
Off-Road	1722	15.8%
On-Road	2132	19.6%
Both	3336	30.7%
Don't Know	2785	25.6%
Refused	891	8.2%
Total	10866	100.0%

MVC-43: Internet was Used on Travel Day in Place of Trips (Weighted)-INUSE

Internet was used on Travel Day in Place of Trips	Count	Percent
Yes	839	6.8%
No	10875	88.1%
Don't Know	633	5.1%
Total	12346	100.0%

MVC-44: Reason for Non-Travel (Weighted)-NOGO

Reason for Non-Travel	Count	Percent
Personally Sick	797	34.6%
Worked at Home for Pay	365	15.9%
Worked Around Home (Not for Pay)	271	11.8%
Out of Area	128	5.6%
Other SPECIFY	741	32.2%
Total	2302	100.0%

Vehicle Characteristics

MVC-45: Vehicle Year (Weighted) – YEAR

Vehicle Year	Count	Percent
1980-1989	539	4.8%
1990-1999	2987	26.7%
2000-2003	2754	24.6%
2004-2006	2197	19.6%
2007	757	6.8%
2008	543	4.8%
2009	220	2.0%
2010	849	7.6%
2011	351	3.1%
Total	11197	100.0%

MVC-46: Vehicle Make (Weighted) – MAKE

Vehicle Make	Count	Percent
Acura	121	1.1%
BMW	119	1.1%
Buick	121	1.1%
Chevrolet	1347	12.0%
Chrysler	389	3.5%
Dodge	354	3.2%
Ford	486	4.3%
GMC	403	3.6%
Honda	684	6.1%
Hyundai	167	1.5%
Isuzu	577	5.2%
Jeep	285	2.5%
Kia	183	1.6%
Mercury	160	1.4%
Nissan	524	4.7%
Saturn	249	2.2%
Subaru	738	6.6%
Suzuki	107	1.0%
Toyota	3866	34.5%
Volkswagen	102	0.9%
Volvo	216	1.9%
Total	11197	100.0%

MVC-47: Vehicle Body Type (Weighted) – BODY

Vehicle Body Type	Count	Percent
Car/Station Wagon	3523	31.5%
Van (any type)	1562	14.0%
SUV	4109	36.7%
Pickup Truck	1667	14.9%
Other type of truck	121	1.1%
Refused	215	1.9%
Total	11197	100.0%

MVC-48: Vehicle Fuel Type (Weighted) - FUEL

Vehicle Fuel Type	Count	Percent
Gas	11197	100.0%
Total	11197	100.0%

Place Characteristics

MVC-49: Primary Trip Purpose (Weighted) – TPURP

Primary Trip Purpose	Count	Percent
All other home activities	28204	41.7%
Routine shopping (groceries, clothing, convenience store, HH maintenance)	8037	11.9%
Work Business Related	6015	8.9%
Work/Job	5035	7.4%
Household errands (bank, dry cleaning, etc.)	3427	5.1%
Changed type of transportation	2965	4.4%
Outdoor recreation/entertainment	2302	3.4%
Pick up passenger from car	1634	2.4%
Drop off passenger from car	1612	2.4%
Indoor recreation/entertainment	1307	1.9%
Visit friends/relatives	1282	1.9%
Working at home (for pay)	1263	1.9%
Personal business (visit government office, attorney, accountant)	927	1.4%
Attending Class	927	1.4%
Eat meal outside of home	781	1.2%
Health care (doctor, dentist)	650	1.0%
Service private vehicle (gas, oil lube, etc.)	509	0.8%
Shopping for major purchases or specialty items (appliance, electronics, new vehicle, major HH repairs)	368	0.5%
All other School Activities	150	0.2%
Civic/Religious activities	114	0.2%
Loop trip	103	0.2%
Volunteer Work/Activities	61	0.1%
Other, SPECIFY	0	0.0%
While Traveling -- Other, Specify	0	0.0%
All other activities at work	0	0.0%
Total	67671	100.0%

MVC-50: Total People Traveling in Travel Party, Including Respondent (Weighted) – TOTTR

Total People Traveling	Count	Percent
1 person	35639	65.4%
2 persons	14014	25.7%
3 persons	3340	6.1%
4 persons	999	1.8%
5 persons	509	0.9%
Total	54501	100.0%

MVC-51: Parking Location (Weighted) – PRKTY

Parking Location	Count	Percent
Parking Lot	26310	52.3%
Street	2048	4.1%
Driveway/personal garage	18548	36.9%
Did not park	1981	3.9%
Other, SPECIFY	799	1.6%
Don't Know	625	1.2%
Total	50310	100.0%

MVC-52: Paid to Park (Weighted) – PRKCS

Paid to Park	Count	Percent
Did not Pay	48069	95.5%
Don't Know	410	0.8%
Refused	1831	3.6%
Total	50310	100.0%

MVC-53: How Parking Fare was Paid (Weighted) – PRKHW

How Parking Fare was Paid	Count	Percent
Cash/Credit/Debit Card	0	0%
Per-Paid parking Pass	0	0%
Employer-Provided Parking Pass	0	0%
Don't Know	0	0%
Total	0	0%

MVC-54: Toll Road Used on Trip (Weighted) – TOLL (Use a Toll road)?

Use a Toll Road	Count	Percent
Yes	0	0%
No	50034	99.5%
Don't Know	275	0.5%
Refused	0	0%
Total	50310	100.0%

MVC-55: Toll Road Used (Weighted) – TOLLT (Which Toll road was used)?

Which Toll Road was Used	Count	Percent
Turnpike	0	0%
Ted Williams Tunnel	0	0%
Sumner Tunnel	0	0%
Total	0	0%

Travel Behavior

MVC-56: Average Household and Person Trip Rates (Weighted)

	Average Trip Rate
Household	10.6
Person	4.1

MVC-57: Trip Rates by Household Size (Weighted)

Household Size	Trip Rate
1	4.5
2	8.3
3	13.6
4	17.5
5	22.2
6	26.6
7	24.8
8 or more	29.8
Total	10.6

MVC-58: Trip Rates by Number of Household Workers (Weighted)

Household Workers	Trip Rate
0	6.6
1	9.7
2	13.1
3	16.8
4	22.0
5	27.2
6	22.7
Total	10.6

MVC-59: Trip Rates by Household Income (Weighted)

Household Income	Trip Rate
Less than \$15,000	8.3
\$15,000-\$24,999	9.2
\$25,000-\$34,999	8.4
\$35,000-\$49,999	9.4
\$50,000-\$74,999	10.2
\$75,000-\$99,999	11.4
\$100,000-\$149,999	13.2
\$150,000 or more	13.3
Don't Know/Refused	9.8
Total	10.6

MVC-60: All Trip Modes (Weighted)

Transportation Mode	Count	Percent
Walk	1760	3.2%
Bike	1247	2.3%
Auto/Van/Truck Driver	42240	76.4%
Auto/Van/Truck Passenger	8070	14.6%
Ferry/boat	1083	2.0%
School bus	824	1.5%
Other, SPECIFY	102	0.2%
Total	55325	100.0%

MVC-61: Mode to Work (Weighted)

Mode to Work	Count	Percent
Works from home	798	12.3%
Walk	822	12.6%
Auto/Van/Truck Driver	4886	75.1%
Total	6507	100.0%

MVC-62: Mode to School (Weighted)

Mode to School	Count	Percent
Walk	114	5.8%
Auto/Van/Truck Driver	128	6.5%
Auto/Van/Truck Passenger	1052	53.7%
Bus / Public Transit	241	12.3%
School Bus	425	21.7%
Total	1961	100.0%

Survey Results for Nantucket MPO (NPEDC)

Household Characteristics

NPEDC-1: Household Size (Weighted) – HHSIZ

Household Size	Count	Percent
1	697	19.3%
2	1479	40.8%
3	655	18.1%
4	638	17.6%
5	153	4.2%
Total	3623	100.0%

NPEDC-2: Transit Used on Regular Basis (Weighted) –RIBUS

Transit Used on Regular Basis	Count	Percent
Yes	310	8.5%
No	3313	91.5%
Total	3623	100.0%

NPEDC-3: Household Bicycles (Weighted) – HHBIC

Household Bicycles	Count	Percent
0	431	11.9%
1	334	9.2%
2	1394	38.5%
3	796	22.0%
4	481	13.3%
5	185	5.1%
Total	3623	100.0%

NPEDC-4: Household Number of Vehicles (Weighted)-HHVEH

Household Vehicles	Count	Percent
0	226	6.2%
1	1845	50.9%
2	617	17.0%
3	786	21.7%
4	0	0%
5	150	4.1%
Total	3623	100.0%

**NPEDC-5: Household Ethnicity (Weighted)-
RACE**

Household Ethnicity	Count	Percent
White Alone	3219	88.8%
Black or African American Alone	310	8.5%
Two or More Races	94	2.6%
Total	3623	100.0%

**NPEDC-6: Hispanic or Latino Households
(Weighted) – HISP**

Hispanic or Latino Household	Count	Percent
Yes	0	0%
No	3623	100.0%
Total	3623	100.0%

**NPEDC-7: Household Residence Type
(Weighted)-RETY**

Household Residence Type	Count	Percent
Single Family Detached Dwelling	3152	87.0%
Building with 2-4 Units	471	13.0%
Total	3623	100.0%

**NPEDC-8: Ownership of Household
Residence (Weighted) – OWN**

Home Ownership	Count	Percent
Own/Mortgaged	2882	79.6%
Renter	741	20.4%
Total	3623	100.0%

**NPEDC-9: Cell phone lines in Household
(Weighted) – CPLNS**

Cell Phones in Household	Count	Percent
0	151	4.2%
1	1260	34.8%
2	1436	39.6%
3	626	17.3%
4	150	4.1%
Total	3623	100.0%

**NPEDC-10: Landlines in Household
(Weighted)-PHLNS**

Landlines in Household	Count	Percent
1	2824	77.9%
2	649	17.9%
3	0	0%
4	0	0%
5	150	4.1%
Total	3623	100.0%

**NPEDC-11: Fax Lines in Household
(Weighted) – FXLNS**

Fax Lines in Household	Count	Percent
0	380	47.6%
1	419	52.4%
Total	799	100.0%

**NPEDC-12: Household Income (Weighted) –
INCOME**

Household Income	Count	Percent
Less than \$15,000	1196	33.0%
\$15,000-\$24,999	0	0%
\$25,000-\$34,999	0	0%
\$35,000-\$49,999	529	14.6%
\$50,000-\$74,999	362	10.0%
\$75,000-\$99,999	106	2.9%
\$100,000-\$149,999	423	11.7%
\$150,000 or more	818	22.6%
Don't Know/Refused	189	5.2%
Total	3623	100.0%

**NPEDC-13: Trips Made by Household on
Travel Day (Weighted) – HTRIPS**

Trips Made by Household on Travel Day	Count	Percent
1 to 5	984	27.2%
6 to 10	1198	33.1%
11 to 15	641	17.7%
16 to 20	548	15.1%
21 to 30	99	2.7%
31 to 50	153	4.2%
Total	3623	100.0%

**NPEDC-14: Household Students (Weighted) –
HHSTU**

Household Students	Count	Percent
0	2549	70.4%
1	432	11.9%
2	0	0%
3	641	17.7%
Total	3623	100.0%

NPEDC-15: Household Workers (Weighted) – HHWRK

Household Workers	Count	Percent
0	1078	29.7%
1	1476	40.7%
2	758	20.9%
3	311	8.6%
Total	3623	100.0%

NPEDC-16: Licensed Drivers in Household (Weighted) –HHLIC

Licensed Drivers in Household	Count	Percent
0	226	6.2%
1	1486	41.0%
2	1497	41.3%
3	414	11.4%
Total	3623	100.0%

NPEDC-17: Distribution of Households by Day of Week of Travel (Weighted) – DAY

Day of Week of Travel	Count	Percent
Monday	1188	32.8%
Tuesday	150	4.1%
Wednesday	329	9.1%
Thursday	662	18.3%
Friday	1294	35.7%
Total	3623	100.0%

Person Characteristics

NPEDC-18: Respondent Gender (Weighted) – GEND NPEDC-19: Age Distribution (Weighted) –AGE

Respondent Gender	Count	Percent
Male	3967	40.6%
Female	5816	59.4%
Total	9782	100.0%

Age Distribution	Count	Percent
Younger than 20	2725	27.9%
20 to 34 years	1950	19.9%
35 to 54 years	1335	13.6%
55 to 64 years	1050	10.7%
65 years or older	2722	27.8%
Total	9782	100.0%

NPEDC-20: Valid Driver's License (Weighted)-LIC

Valid Driver's License	Count	Percent
Yes	6096	83.5%
No	1208	16.5%
Total	7303	100.0%

NPEDC-21: Respondent has Transit Pass (Weighted) – TRANS

Respondent has Transit Pass	Count	Percent
Yes	511	7.0%
No	6792	93.0%
Total	7303	100.0%

NPEDC-22: Transit Pass Type (Weighted)-PASST1, PASST2, PASST3

Transit Pass Type, Multiple Response	Count	Percent
Charlie Card	511	100.0%
Total	511	100.0%

NPEDC-23: Worker Status, Computed (Weighted) – WORKS

Worker Status, Computed	Count	Percent
Yes	4342	59.4%
No	2962	40.6%
Total	7303	100.0%

**NPEDC-24: Employment Status, Non-workers
(Weighted) – WKSTAT**

Employment Status, Non workers	Count	Percent
Retired	1784	60.2%
Disabled/On Disability Status	294	9.9%
Homemaker	202	6.8%
Unemployed but looking for work	278	9.4%
Student	403	13.6%
Total	2962	100.0%

**NPEDC-25: Average Number of Jobs
(Weighted)-JOBS**

Jobs	Average
Average Number of Jobs	1.13

**NPEDC-26: Hours Worked per Day
(Weighted) - HOURS**

Hours Worked per Day	Count	Percent
1	0	0%
2	431	9.9%
3	0	0%
4	147	3.4%
5	338	7.8%
6	455	10.5%
7	90	2.1%
8	2023	46.6%
9	368	8.5%
10	425	9.8%
Don't Know	65	1.5%
Total	4342	100.0%

**NPEDC-27: Respondent Average Number of
Days Worked Per Week (Weighted) – WDAYS**

Days Worked Per Week	Count	Percent
1	0	0%
2	0	0%
3	206	4.7%
4	171	3.9%
5	2777	64.0%
6	995	22.9%
7	192	4.4%
Total	4342	100.0%

**NPEDC-28: Telecommute Status (Weighted) -
TELEW**

Worker Telecommutes	Count	Percent
Yes	1280	29.5%
No	3061	70.5%
Total	4342	100.0%

**NPEDC-29: Flexible Work Program Offered at
Work (Weighted) – SCHED**

Flexible Work Program Offered at Work	Count	Percent
Yes	876	20.2%
No	3466	79.8%
Total	4342	100.0%

**NPEDC-30: Type of Flexible Work Programs
Offered, Multiple Response (Weighted)-
FLEXP1, FLEXP2, FLEXP3**

Type of Flexible Work Programs Offered, Multiple Response	Count	Percent
9/80 Work Period	92	10.5%
Early Arrival/Departure	405	46.2%
4/40 Work Week	99	11.3%
Flexible Hours	141	16.1%
Other, Specify	139	15.9%
Total	876	100.0%

**NPEDC-31: Respondent Participates in
Flexible Work Program (Weighted)-FLEXT**

Respondent Participates in Flexible Work Program	Count	Percent
Yes	876	100.0%
No	0	0%
Total	876	100.0%

**NPEDC-32: Disabled License Plate
(Weighted)- EDISA**

Disabled License Plate	Count	Percent
Yes	548	5.9%
No	8769	94.1%
Total	9316	100.0%

**NPEDC-33: Disabled Transit Registration
(Weighted) –EDIS2**

Disabled Transit Registration	Count	Percent
Yes	237	2.5%
No	8981	96.4%
Don't Know	99	1.1%
Total	9316	100.0%

**NPEDC-34: Level of Education Completed
(Weighted) –EDUCA**

Level of Education Completed	Count	Percent
Not a high school graduate, 12th grade or less. (Includes very young children)	2626	26.8%
High school graduate (high school diploma or GED)	1802	18.4%
Some college credit but no degree	901	9.2%
Associate or technical school degree	1064	10.9%
Bachelor's or undergraduate degree	1782	18.2%
Graduate Degree (includes professional degrees, MD, DDs, JD)	1608	16.4%
Total	9782	100.0%

**NPEDC-35: School Enrollment Status
(Weighted)-ENROL**

School Enrollment Status	Count	Percent
Yes	2883	29.5%
No	6900	70.5%
Total	9782	100.0%

**NPEDC-36: Full-time / Part-time Student
Status (Weighted)-FPTIM**

Full-time / Part-time Student Status	Count	Percent
Part-time	256	8.9%
Full-time	2626	91.1%
Total	2883	100.0%

**NPEDC-37: Student Grade Level Attends
(Weighted)-SCHOL**

Student Grade Level	Count	Percent
Kindergarten to Grade 8	2160	74.9%
Grade 9 to 12	466	16.2%
Graduate School/Professional	256	8.9%
Total	2883	100.0%

**NPEDC-38: Transit Trips Made in Past Week
(Weighted)- TTRIP**

Transit Trips Made in Past Week	Count	Percent
0	7035	71.9%
2	157	1.6%
4	157	1.6%
5	108	1.1%
7	1398	14.3%
14	829	8.5%
Don't Know	99	1.0%
Total	9782	100.0%

**NPEDC-39: Bike Facilities Available at
Work/School (Weighted)- BIKFA**

Bike Facilities Available at Work/School	Count	Percent
Yes	6310	87.4%
No	708	9.8%
Don't Know	206	2.9%
Total	7224	100.0%

NPEDC-40: Days Used Bike for Recreation in Past Week (Weighted)- BIKD1

Days Used Bike for Recreation in Past Week	Count	Percent
0	4593	50.8%
1	643	7.1%
2	791	8.8%
3	1441	15.9%
4	0	0%
5	221	2.4%
Don't Know	319	3.5%
Refused	1028	11.4%
Total	9036	100.0%

NPEDC-41: Days Used Bike for Transportation in Past Week (Weighted) – BIKD2

Days Used Bike for Transportation in Past Week	Count	Percent
0	5810	64.3%
1	0	0%
2	1122	12.4%
3	0	0%
4	466	5.2%
5	93	1.0%
6	0	0%
7	99	1.1%
Don't Know	513	5.7%
Refused	932	10.3%
Total	9036	100.0%

NPEDC-42: Bike Lanes/Trails Used (Weighted) – BIKRD

Bike Lanes/Trails Used for Non-Recreational Purposes	Count	Percent
Off-Road	1767	19.6%
On-Road	1812	20.1%
Both	1721	19.0%
Don't Know	2525	27.9%
Refused	1211	13.4%
Total	9036	100.0%

NPEDC-43: Internet was Used on Travel Day in Place of Trips (Weighted)-INUSE

Internet was used on Travel Day in Place of Trips	Count	Percent
Yes	711	7.3%
No	8499	86.9%
Don't Know	573	5.9%
Total	9782	100.0%

NPEDC-44: Reason for Non-Travel (Weighted)-NOGO

Reason for Non-Travel	Count	Percent
Personally Sick	443	44.8%
Worked at Home for Pay	99	10.0%
Worked Around Home (Not for Pay)	75	7.5%
Out of Area	373	37.7%
Total	989	100.0%

Vehicle Characteristics

NPEDC-45: Vehicle Year (Weighted) – YEAR

Vehicle Year	Count	Percent
1965-1979	90	1.5%
1990-1999	2214	36.9%
2000-2003	1882	31.4%
2004-2006	1341	22.4%
2007	94	1.6%
2008	280	4.7%
2010	90	1.5%
Total	5993	100.0%

NPEDC-46: Vehicle Make (Weighted) – MAKE

Vehicle Make	Count	Percent
Acura	109	1.8%
BMW	106	1.7%
Chevrolet	621	10.0%
Chrysler	122	2.0%
Dodge	386	6.2%
Ford	1446	23.4%
Geo	103	1.7%
Jeep	623	10.1%
Lexus	131	2.1%
Mercury	390	6.3%
Nissan	229	3.7%
Porsche	300	4.8%
Subaru	288	4.7%
Toyota	1137	18.4%
Volkswagen	90	1.5%
Other, SPECIFY	106	1.7%
Total	6185	100.0%

NPEDC-47: Vehicle Body Type (Weighted) – BODY

Vehicle Body Type	Count	Percent
Car/Station Wagon	723	11.7%
Van (any type)	480	7.8%
SUV	3109	50.3%
Pickup Truck	1299	21.0%
Refused	575	9.3%
Total	6185	100.0%

NPEDC-48: Vehicle Fuel Type (Weighted) - FUEL

Vehicle Fuel Type	Count	Percent
Gas	6185	100.0%
Total	6185	100.0%

Place Characteristics

NPEDC-49: Primary Trip Purpose (Weighted) – TPURP

Primary Trip Purpose	Count	Percent
All other home activities	22317	44.3%
Drop off passenger from car	4927	9.8%
Routine shopping (groceries, clothing, convenience store, HH maintenance)	4063	8.1%
Attending Class	2455	4.9%
Household errands (bank, dry cleaning, etc.)	2383	4.7%
Work/Job	1898	3.8%
Outdoor recreation/entertainment	1685	3.3%
Personal business (visit government office, attorney, accountant)	1616	3.2%
Indoor recreation/entertainment	1395	2.8%
Changed type of transportation	1224	2.4%
Pick up passenger from car	1208	2.4%
Working at home (for pay)	1202	2.4%
Work Business Related	960	1.9%
Eat meal outside of home	903	1.8%
Health care (doctor, dentist)	572	1.1%
All other School Activities	466	0.9%
Shopping for major purchases or specialty items (appliance, electronics, new vehicle, major HH repairs)	388	0.8%
Visit friends/relatives	358	0.7%
Civic/Religious activities	252	0.5%
Service private vehicle (gas, oil lube, etc.)	90	0.2%
Other, SPECIFY	0	0.0%
Loop trip	0	0.0%
While Traveling -- Other, Specify	0	0.0%
Volunteer Work/Activities	0	0.0%
All other activities at work	0	0.0%
Total	50363	100.0%

NPEDC-50: Total People Traveling in Travel Party, Including Respondent (Weighted) – TOTTR

Total People Traveling	Count	Percent
1 person	16979	42.0%
2 persons	13282	32.9%
3 persons	4822	11.9%
4 persons	4605	11.4%
5 persons	720	1.8%
Total	40409	100.0%

NPEDC-51: Parking Location (Weighted) – PRKTY

Parking Location	Count	Percent
Parking Lot	11283	32.1%
Street	3695	10.5%
Driveway/personal garage	10709	30.5%
Did not park	7921	22.6%
Don't Know	1369	3.9%
Refused	139	0.4%
Total	35116	100.0%

NPEDC-52: Paid to Park (Weighted) – PRKCS

Paid to Park	Count	Percent
Did not Pay	27056	77.0%
Refused	8061	23.0%
Total	35116	100.0%

NPEDC-53: How Parking Fare was Paid (Weighted) – PRKHW

How Parking Fare was Paid	Count	Percent
Cash/Credit/Debit Card	0	0%
Per-Paid parking Pass	0	0%
Employer-Provided Parking Pass	0	0%
Total	0	0%

NPEDC-54: Toll Road Used on Trip (Weighted) – TOLL (Use a Toll road)?

Use a Toll Road	Count	Percent
Yes	0	0%
No	34977	99.6%
Refused	139	0.4%
Total	35116	100.0%

NPEDC-55: Toll Road Used (Weighted) – TOLLT (Which Toll road was used)?

Which Toll Road was Used	Count	Percent
Turnpike	0	0%
Ted Williams Tunnel	0	0%
Sumner Tunnel	0	0%
Tobin Bridge	0	0%
Total	0	0%

Travel Behavior

NPEDC-56: Average Household and Person Trip Rates (Weighted)

	Average Trip Rate
Household	10.6
Person	4.1

NPEDC-57: Trip Rates by Household Size (Weighted)

Household Size	Trip Rate
1	4.5
2	8.3
3	13.6
4	17.5
5	22.2
6	26.6
7	24.8
8 or more	29.8
Total	10.6

NPEDC-58: Trip Rates by Number of Household Workers (Weighted)

Household Workers	Trip Rate
0	6.6
1	9.7
2	13.1
3	16.8
4	22.0
5	27.2
6	22.7
Total	10.6

NPEDC-59: Trip Rates by Household Income (Weighted)

Household Income	Trip Rate
Less than \$15,000	8.3
\$15,000-\$24,999	9.2
\$25,000-\$34,999	8.4
\$35,000-\$49,999	9.4
\$50,000-\$74,999	10.2
\$75,000-\$99,999	11.4
\$100,000-\$149,999	13.2
\$150,000 or more	13.3
Don't Know/Refused	9.8
Total	10.6

NPEDC-60: All Trip Modes (Weighted)

Transportation Mode	Count	Percent
Walk	4384	10.8%
Bike	445	1.1%
Auto/Van/Truck Driver	22004	54.2%
Auto/Van/Truck Passenger	13113	32.3%
Ferry/boat	463	1.1%
School bus	172	0.4%
Total	40580	100.0%

NPEDC-61: Mode to Work (Weighted)

Mode to Work	Count	Percent
Works from home	950	21.9%
Walk	919	21.2%
Bike	99	2.3%
Auto/Van/Truck Driver	2167	49.9%
Bus / Public Transit	108	2.5%
Other, SPECIFY	99	2.3%
Total	4342	100.0%

NPEDC-62: Mode to School (Weighted)

Mode to School	Count	Percent
Bike	96	3.3%
Auto/Van/Truck Passenger	2531	87.8%
Bus / Public Transit	256	8.9%
Total	2883	100.0%

Appendix K: Data Distribution Policy

During the conduct of the study, NuStats assured respondents that all information they provided would be kept strictly confidential and that all of their responses would only be used in combination with those provided by other households in the study.

In order to maintain this assurance of confidentiality, as well as the integrity of our standing in the survey research industry, the following steps must be taken regarding data distribution:

- 1) The **final data set** should be kept on CD-ROM and locked in a secure location. This data set should serve as a back-up, in the event that the working and public use data sets become corrupted and require recreation.
- 2) The **working data set** should be released only as necessary to consultants assisting with the modeling process or to MassDOT/CTPS staff. All staff and consultants working with this data must sign confidentiality agreement.
- 3) The **public use data set** should be released only as necessary. However, the level of identification does permit this data set to serve as a public domain.

The final data set contains all variables as outlined in the original study documentation. To create the working data set from this file, the following actions must be taken:

- Modify the household file such that all home addresses have blank address fields (X/Y coordinates only).
- Modify the person file such that all school addresses and work addresses have blank name and address fields (X/Y coordinates only).
- Modify the place file such that all locations include only the X/Y Coordinates

In addition, the confidentiality agreement must be signed by all staff and consultants assisting with the analysis of the working data set. This confidentiality agreement meets the Council of American Survey Research Organizations (CASRO) requirements of confidentiality and is similar to that in use by the National Household Travel Survey.

**CONFIDENTIALITY AGREEMENT
FOR THE USE OF THE
2010/2011 MTS WORKING DATA SET**

I accept a copy of the 2010/2011 Massachusetts Travel Survey (MTS) Working Data Set.

I recognize that this version of the data set contains additional detail on individual records that could potentially compromise the confidentiality of the MTS respondents. I agree that I will use the working data set for statistical purposes only and will not attempt to identify any specific respondent. I agree that I will insure that no other data users in my organization will compromise the confidentiality of the MTS respondents, and that I will not share this version of the data with others outside the organization.

I also accept full responsibility for any misuse of this data, and agree to hold harmless the Massachusetts Department of Transportation (MassDOT), or any of their designated agents, from any damages resulting from such misuse, regardless of scope, severity, or intent.

I further agree that upon completion of my contractual agreement, I will return this data base to MassDOT (or their agent/designee) and delete any copies on computers or networks within my organization.

Signed:

Printed Name:

Date:

Name:

Firm Name:

Address:

Phone:

Fax:

E-mail: