

# **Volpe Center Travel Behavior Studies: Lookup Table**

Transportation Secure Data Center

Revised: 2016-12-05

## Summary Statistics

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|                     |                    |       |
|---------------------|--------------------|-------|
| <b>Travel Diary</b> | Households         | 1,740 |
|                     | Persons            | 4,776 |
| <b>Vehicle GPS</b>  | Households         |       |
|                     | Vehicles           |       |
|                     | Days of Travel     |       |
|                     | GPS Frequency (Hz) |       |
| <b>Vehicle OBD</b>  | Households         |       |
|                     | Vehicles           |       |
|                     | Days of Travel     |       |
|                     | GPS Frequency (Hz) |       |
| <b>Wearable GPS</b> | Households         |       |
|                     | Persons            |       |
|                     | Days of Travel     |       |
|                     | GPS Frequency (Hz) |       |

Blank fields indicate data is not present for this study.

## Survey Tables

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### survey\_households

The survey\_households table includes survey responses and demographic information for 2547 unique households in Seattle and 1740 unique households in Atlanta.

| Name           | Data Type         | Comment   |
|----------------|-------------------|---|
| sampno         | character varying | Unique household identifier   |
| y1_hhstatus    | smallint          | Year 1 - Household status: 1=Member of a complete household (all HH members completed both days), 2=Member of a partial household (1 or more, but not all, HH members completed both days), 3=No household members completed both days. |
| y2_hhstatus    | smallint          | Year 2 - Household status: 1=Member of a complete household (all HH members completed both days), 2=Member of a partial household (1 or more, but not all, HH members completed both days), 3=No household members completed both days. |
| persons_count  | smallint          | Number of persons in the household.   |
| ministatus     | smallint          | Mini survey status: 1=Completed, 2=In-progress, 3=Not started.  |
| informedoption | smallint          | Mini survey - When tolling began on the I-85 Express Lanes, how informed were you about the tolling project? 1=Very informed, 2=Somewhat informed, 3=Neither informed nor uninformed, 4=Somewhat uninformed, 5=Very uninformed.         |

|                    |          |   |
|--------------------|----------|---|
| two.weeksroute     | smallint | Mini survey - Trip in study corridor: Changes in past 2 weeks resulting from tolling: Route change 0=Not selected, 1=Selected.  |
| two.weeksmode      | smallint | Mini survey - Trip in study corridor: Changes in past 2 weeks resulting from tolling- Mode change: 0=Not selected, 1=Selected.  |
| two.weeksexpress   | smallint | Mini survey - Trip in study corridor: Changes in past 2 weeks resulting from tolling- Paid to use Express Lanes: 0=Not selected, 1=Selected.  |
| two.weekstimeshift | smallint | Mini survey - Trip in study corridor: Changes in past 2 weeks resulting from tolling- Departure time change: 0=Not selected, 1=Selected.  |
| two.weekscancelled | smallint | Mini survey - Trip in study corridor: Changes in past 2 weeks resulting from tolling- Trip cancellation: 0=Not selected, 1=Selected.  |
| two.weeksother     | smallint | Mini survey - Trip in study corridor: Changes in past 2 weeks resulting from tolling- Other: 0=Not selected, 1=Selected.  |
| two.weeksnone      | smallint | Mini survey - Trip in study corridor: Changes in past 2 weeks resulting from tolling- None of the above: 0=Not selected, 1=Selected.  |
| two.weeksna        | smallint | Mini survey - Trip in study corridor: Changes in past 2 weeks resulting from tolling- Not applicable: 0=Not selected, 1=Selected.   |
| informationoption  | smallint | Mini survey - How often consult traffic information: 1=Frequently, 2=Sometimes, 3=Hardly ever, 4=Never, 5=Not applicable (I do not make trips in the I-85 corridor northeast of Atlanta).   |
| aware_option       | smallint | Mini survey - Know approximate cost of tolled Express Lanes: 1=Yes, 2=No, 3=I drive an AFV, 4=Not applicable (e.g., I do not make trips on I-85).   |
| agree_option       | smallint | Mini survey - Tolling has improved my travel in the region: 1=Strongly agree, 2=Agree, 3=Somewhat agree, 4=Neutral, 5=Somewhat disagree, 6=Disagree, 7=Strongly disagree, 8=Not applicable/Dont know.   |
| lptransitvanpool   | smallint | Recruitment method: 1=License plate capture, 2=Transit intercept, 3=Vanpool recruit.  |
| ax.incomecategory  | smallint | Income category: 0=No Match, 1=Under 10k, 2=10k-14k, 3=15k-19k, 4=20k-24k, 5=25k-29k, 6=30k-34k, 7=35k-39k, 8=40k-44k, 9=45k-49k, 10=50k-54k, 11=55k-59k, 12=60k-64k, 13=65k-74k, 14=75k-99k, 15=100k-149k, 16=150k-174k, 17=175k-199k, 18=200k-249k, 19=250k+. |
| ax.incomequartile  | smallint | Axiom-assigned income quartile: 0=No Match, 1=Lowest (Under \$6 0k).  |
| geom*              | geometry | Geometric point data representing household location.   |

### survey\_person\_y1

Table includes survey responses to study-specific questions asked in year one of the study. Demographic information is also included.

| Name        | Data Type         | Comment   |
|-------------|-------------------|---|
| sampno      | character varying | Household identifier  |
| perno       | smallint          | Unique person identifier  |
| y1.hhstatus | smallint          | Year 1 - Household status: 1=Member of a complete household (all HH members completed both days), 2=Member of a partial household (1 or more, but not all, HH members completed both days), 3=No household members completed both days. |

|                       |                   |  |
|-----------------------|-------------------|--|
| y1_day1status         | smallint          | Year 1 - Day 1 status: 1=Completed, 2=In-progress, 3=Not started.  |
| y1_day2status         | smallint          | Year 1 - Day 2 status: 1=Completed, 2=In-progress, 3=Not started.  |
| y1_diarycomplete      | smallint          | Year 1- Completed diary: 0=No, 1=Yes.  |
| y1_membertype         | smallint          | Year 1 - Member type: 1=Primary respondent, 2=Year 1 adult member, 3=Year 1 minor who turned 18, 4=Year 1 minor who did not turn 18, 5=New adult member, 6=New minor member, 7=Member no longer in household.  |
| y1_travdate1          | date              | Year 1- travel date 1  |
| y1_travdate2          | date              | Year 1- travel date 2  |
| y1_age_bin            | smallint          | Year 1 - Age: 1=Under age 5, 2=6-15, 3=16-17, 4=18-24, 5=25-34, 6=35-44, 7=45-54, 8=55-64, 9=65-74, 10=75-84, 11=85 or older.  |
| y1_gender             | smallint          | Year 1- Gender: 1=Male, 2=Female.  |
| y1_relationship       | smallint          | Year 1 - Relationship to primary respondent: 1=Primary respondent, 2=Husband/Wife/Unmarried Partner, 3=Son/Daughter/In-Law, 4=Mother/Father/In-Law, 5=Brother/Sister/In-Law, 6=Other relative, 7=Roommate/Friend, 8=Household Help, 9=Other.                       |
| y1_licensed           | smallint          | Year 1 - Drivers license: 1=Yes, 2=No.   |
| y1_employed           | smallint          | Year 1- Employment status: 1=Employed full-time, 2=Employed part-time, 3=Self-employed (full or part-time), 4=Student- not employed or employed <25 hrs/week, 5=Student- employed 25+ hrs/week, 6=Homemaker, 7=Retired, 8=Not currently employed.                  |
| y1_education          | smallint          | Year 1- Education level: 1=Less than high school, 2=High school graduate, 3=Some college, 4=Vocational/technical training, 5=Associates degree, 6=Bachelors degree, 7=Graduate/post-graduate degree.   |
| y1_hispanic           | smallint          | Year 1- Is the participant Hispanic? 1=Yes, 2=No.  |
| y1_race               | smallint          | Year 1- Race of the participant: 1=African American or Black, 2=American Indian or Alaskan Native, 3=Asian, 4=White or Caucasian, 5=Other.   |
| y1_moving             | smallint          | Year 1 - Plan to move? 1=Yes, 2=Maybe, 3=No.   |
| y1_city               | character varying | Year 1- City   |
| y1_zip                | character varying | Year 1- Zip code   |
| y1_st                 | character varying | Year 1- State  |
| y1_income             | smallint          | Year 1- Income: 1=Less than \$10,000, 2=\$10,000-\$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-\$199,999, 9=\$200,000-\$249,999, 10=\$250,000 or more, 11=Prefer not to answer. |
| y1_othhhmems          | smallint          | Year 1 - Other household members: 0=0 other people, 1=1 other people, 2=2 other people, 3=3 other people, 4=4 other people, 5=5 other people, 6=6 other people, 7=7 other people, 8=8 other people, 9=9 other people, 10=10 or more other people.                  |
| y1_numveh             | smallint          | Year 1 - Number of household vehicles: 0=0 vehicles, 1=1 vehicle, 2=2 vehicles, 3=3 vehicles, 4=4 vehicles, 5=5 or more vehicles.  |
| y1_last_transitoption | smallint          | Year 1 - Last used public transit: 1=Within the past month, 2=More than a month ago but within the last year, 3=More than a year ago, 4=Has never used local public transit, 5=Within the past month (used transit in diary).                                      |
| y1.i.85_freqcount     | smallint          | Year 1 - Number of trips in the I-85 corridor in a typical week: 15=15-19, 20=20-24, 25=25 or more.  |

|                              |          |  |
|------------------------------|----------|--|
| y1.i.85.trips.hovcount       | smallint | Year 2 - Number of trips in HOV lanes on I-85 in a typical week<br>15=15-19, 20=20-24, 25=25 or more.  |
| y1.commute.counthopt         | smallint | Year 1 - Days per week typically commute to work/school: 1=7 days per week, 2=6 days per week, 3=5 days per week, 4=4 days per week, 5=3 days per week, 6=2 days per week, 7=1 days per week, 8=0 days per week, 9=No fixed site or regular commute. |
| y1.commute.methoddrive       | smallint | Year 1 - Respondent typically commutes by driving alone: 0=Not selected, 1=Selected.   |
| y1.commute.methodcarpool     | smallint | Year 1 - Respondent typically commutes by carpool: 0=Not selected, 1=Selected.   |
| y1.commute.methodvanpool     | smallint | Year 1 - Respondent typically commutes by organized vanpool: 0=Not selected, 1=Selected.   |
| y1.commute.methodexpressbus  | smallint | Year 1 - Respondent typically commutes by express bus: 0=Not selected, 1=Selected.   |
| y1.commute.methodbus         | smallint | Year 1 - Respondent typically commutes by bus: 0=Not selected, 1=Selected.   |
| y1.commute.methodtrain       | smallint | Year 1 - Respondent typically commutes by train: 0=Not selected, 1=Selected.   |
| y1.commute.methodmotorcycle  | smallint | Year 1 - Respondent typically commutes by motorcycle/moped: 0=Not selected, 1=Selected.  |
| y1.commute.methodbicycle     | smallint | Year 1 - Respondent typically commutes by bicycle: 0=Not selected, 1=Selected.   |
| y1.commute.methodparatransit | smallint | Year 1 - Respondent typically commutes by paratransit: 0=Not selected, 1=Selected.   |
| y1.commute.methodwalk        | smallint | Year 1 - Respondent typically commutes by walking: 0=Not selected, 1=Selected.   |
| y1.commute.methodother       | smallint | Year 1 - Respondent typically commutes by another transportation type: 0=Not selected, 1=Selected.   |
| y1.telecommute.counthopt     | smallint | Year 1 - Days per week respondent works from home/telecommutes: 1=5-7 days per week, 2=4 days per week, 3=3 days per week, 4=2 days per week, 5=1 day per week, 6=A few times per month, 7=Less than monthly, 8=Never, 9=N/A.                        |
| y1.scheduleopt               | smallint | Year 1 - Participants schedule can be described as: 1=No flexibility, 2=Can adjust schedule within 30 minutes, 3=Can adjust schedule at will.  |
| y1.no.flexibilitywork        | smallint | Year 1 - Why no flexibility, Work schedule: 0=Not selected, 1=Selected.  |
| y1.no.flexibilitypersonal    | smallint | Year 1 - Why no flexibility, Personal schedule: 0=Not selected, 1=Selected.  |
| y1.no.flexibilityother       | smallint | Year 1 - Why no flexibility, Other: 0=Not selected, 1=Selected.  |
| y1.commuter.benefitsparking  | smallint | Year 1 - Benefit, Free or discounted parking: 1=Not offered, 2=Offered but dont use, 3=Offered and use, 4=Dont know.   |
| y1.commuter.benefitstransit  | smallint | Year 1 - Benefit, Free or discounted transit pass: 1=Not offered, 2=Offered but dont use, 3=Offered and use, 4=Dont know.  |
| y1.commuter.benefitsvanpool  | smallint | Year 1 - Benefit, Free or discounted vanpool transportation: 1=Not offered, 2=Offered but dont use, 3=Offered and use, 4=Dont know.  |
| y1.devicescomputer           | smallint | Year 1 - Participant owns a computer: 1=Own, 2=Dont own.   |
| y1.devicessmartphone         | smallint | Year 1 - Participant owns a smart phone: 1=Own, 2=Dont own.  |
| y1.devicescell               | smallint | Year 1 - Participant owns a cell phone: 1=Own, 2=Dont own.   |
| y1.devicesgps                | smallint | Year 1 - Participant owns an in-vehicle GPS device: 1=Own, 2=Dont own.   |

|                             |                   |  |
|-----------------------------|-------------------|--|
| y1_opinion_1stressful       | smallint          | Year 1 - Driving on regional highways is stressful for me: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable.   |
| y1_opinion_1delay           | smallint          | Year 1 - At least twice a week there is an unexpected delay on my trip: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable.  |
| y1_opinion_1adjust_route    | smallint          | Year 1 - I adjust my routes and/or my departure times to avoid traffic congestion: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable.   |
| y1_opinion_1use_tolls       | smallint          | Year 1 - I will use a toll route if the tolls are reasonable and I will save time: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable.   |
| y1_opinion_1tolls_unfair    | smallint          | Year 1 - Highway tolls are unfair to people with limited incomes: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable.  |
| y1_opinion_1time            | smallint          | Year 1 - I dont have enough time in the day to do all I need to do: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable.  |
| y1_opinion_2satisfied       | smallint          | Year 1 - I am satisfied with my commute: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable.   |
| y1_opinion_2consider_change | smallint          | Year 1 - Within the past year, I have seriously considered changing where I live or work to reduce the time I spend traveling: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable. |
| y1_opinion_3switch          | smallint          | Year 1 - As soon as I can, I would like to switch to driving to work: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable.  |
| home_address*               | character varying | Persons home address   |
| home_longitude*             | double precision  | Longitude of home location.  |
| home_latitude*              | double precision  | Latitude of home location.   |
| geom*                       | geometry          | Geometric point of home location.  |

## survey\_person\_y2

Table includes survey responses to study-specific questions asked in year two of the study. Demographic information is also included.

| Name        | Data Type         | Comment   |
|-------------|-------------------|---|
| sampno      | character varying | Household identifier  |
| perno       | smallint          | Unique person identifier  |
| y2_hhstatus | smallint          | Year 2 - Household status: 1=Member of a complete household (all HH members completed both days), 2=Member of a partial household (1 or more, but not all, HH members completed both days), 3=No household members completed both days. |

|                            |                   |  |
|----------------------------|-------------------|--|
| y2_day1status              | smallint          | Year 2 - Day 1 status: 1=Completed, 2=In-progress, 3=Not started.  |
| y2_day2status              | smallint          | Year 2 - Day 2 status: 1=Completed, 2=In-progress, 3=Not started.  |
| y2_diarycomplete           | smallint          | Year 2- Completed diary: 0=No, 1=Yes.  |
| y2_membertype              | smallint          | Year 2 - Member type: 1=Primary respondent, 2=Year 1 adult member, 3=Year 1 minor who turned 18, 4=Year 1 minor who did not turn 18, 5=New adult member, 6=New minor member, 7=Member no longer in household.  |
| y2_travdate1               | date              | Year 2- travel date 1  |
| y2_travdate2               | date              | Year 2- travel date 2  |
| y2_age_bin                 | smallint          | Year 2 - Age: 1=Under age 5, 2=6-15, 3=16-17, 4=18-24, 5=25-34, 6=35-44, 7=45-54, 8=55-64, 9=65-74, 10=75-84, 11=85 or older.  |
| y2_gender                  | smallint          | Year 2- Gender: 1=Male, 2=Female.  |
| y2_relationship            | smallint          | Year 2 - Relationship to primary respondent: 1=Primary respondent, 2=Husband/Wife/Unmarried Partner, 3=Son/Daughter/In-Law, 4=Mother/Father/In-Law, 5=Brother/Sister/In-Law, 6=Other relative, 7=Roommate/Friend, 8=Household Help, 9=Other.                       |
| y2_licensed                | smallint          | Year 2 - Drivers license: 1=Yes, 2=No.   |
| y2_employed                | smallint          | Year 2- Employment status: 1=Employed full-time, 2=Employed part-time, 3=Self-employed (full or part-time), 4=Student- not employed or employed <25 hrs/week, 5=Student- employed 25+ hrs/week, 6=Homemaker, 7=Retired, 8=Not currently employed.                  |
| y2_education               | smallint          | Year 2- Education level: 1=Less than high school, 2=High school graduate, 3=Some college, 4=Vocational/technical training, 5=Associates degree, 6=Bachelors degree, 7=Graduate/post-graduate degree.   |
| y2_hispanic                | smallint          | Year 2- Is the participant Hispanic? 1=Yes, 2=No.  |
| y2_race                    | smallint          | Year 2- Race of the participant: 1=African American or Black, 2=American Indian or Alaskan Native, 3=Asian, 4=White or Caucasian, 5=Other.   |
| y2_work_changed            | smallint          | Year 2 - Work location changed: 0=Not selected, 1=Selected.  |
| y2_work_schedule_changed   | smallint          | Year 2 - Work schedule changed: 0=Not selected, 1=Selected.  |
| y2_school_changed          | smallint          | Year 2 - School location changed: 0=Not selected, 1=Selected.  |
| y2_school_schedule_changed | smallint          | Year 2 - School schedule changed: 0=Not selected, 1=Selected.  |
| y2_left_household          | smallint          | Year 2 - No longer in household: 0=Not selected, 1=Selected.   |
| y2_moved                   | smallint          | Year 2 - Moved since November 2010: 1=Yes, 2=No.   |
| y2_city                    | character varying | Year 2- City   |
| y2_zip                     | character varying | Year 2- Zip code   |
| y2_st                      | character varying | Year 2- State  |
| y2_income                  | smallint          | Year 2- Income: 1=Less than \$10,000, 2=\$10,000-\$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-\$199,999, 9=\$200,000-\$249,999, 10=\$250,000 or more, 11=Prefer not to answer. |
| y2_new_adult_memberscount  | smallint          | Year 2- New household members, adults: 0=0 new adults, 1=1 new adult, 2=2 new adults, 3=3 new adults, 4=4 new adults, 5=5 new adults, 6=6 new adults, 7=7 new adults, 8=8 new adults, 9=9 new adults, 10=10 or more new adults.                                    |

|                                   |          |  |
|-----------------------------------|----------|--|
| y2_new_child_memberscount         | smallint | Year 2 - New household members, children: 0=0 new minors, 1=1 new minor, 2=2 new minors, 3=3 new minors, 4=4 new minors, 5=5 new minors, 6=6 new minors, 7=7 new minors, 8=8 new minors, 9=9 new minors, 10=10 or more new minors.                           |
| y2_numveh                         | smallint | Year 2 - Number of vehicles in a household: 0=0 vehicles, 1=1 vehicle, 2=2 vehicles, 3=3 vehicles, 4=4 vehicles, 5=5 or more vehicles.   |
| y2_numpasses                      | smallint | Year 2 - Good to Go! Passes: 0=0 passes, 1=1 passes, 2=2 passes, 3=3 passes, 4=4 passes, 5=5 or more passes.   |
| y2_purchase_date                  | smallint | Year 2 - Date first transponder was purchased: 1=Before tolling, 2=After tolling.  |
| y2_transponder-satopen_account    | smallint | Transponder satisfaction, Opening and setting up your Peach Pass account: 1=Very Dissatisfied, 2=Dissatisfied, 3=Somewhat Dissatisfied, 4=Neutral, 5=Somewhat Satisfied, 6=Satisfied, 7=Very Satisfied, 8=Not Applicable [Only present in Atlanta data set]. |
| y2_transponders-atmanage_account  | smallint | Transponder satisfaction, Managing your Peach Pass account: 1=Very Dissatisfied, 2=Dissatisfied, 3=Somewhat Dissatisfied, 4=Neutral, 5=Somewhat Satisfied, 6=Satisfied, 7=Very Satisfied, 8=Not Applicable [Only present in Atlanta data set].               |
| y2_transpondersa-tchange_toll_sta | smallint | Transponder satisfaction, Changing your "toll mode" status: 1=Very Dissatisfied, 2=Dissatisfied, 3=Somewhat Dissatisfied, 4=Neutral, 5=Somewhat Satisfied, 6=Satisfied, 7=Very Satisfied, 8=Not Applicable [Only present in Atlanta data set].               |
| y2_why_no_ppinfrequent            | smallint | Reasons for no Peach Pass account, I dont use GA4 0 0 or the I-85 tolled Express Lanes often enough: 0=Not selected, 1=Selected [Only present in Atlanta data set].  |
| y2_why_no_ppexpensive             | smallint | Reasons for no Peach Pass account, Tolls are too expensive: 0=Not selected, 1=Selected [Only present in Atlanta data set].   |
| y2_why_no_ppopposed               | smallint | Reasons for no Peach Pass account, I am against tolling in general: 0=Not selected, 1=Selected [Only present in Atlanta data set].   |
| y2_why_no_ppprivacy               | smallint | Reasons for no Peach Pass account, I am concerned about privacy: 0=Not selected, 1=Selected [Only present in Atlanta data set].  |
| y2_why_no_ppaccount               | smallint | Reasons for no Peach Pass account, I do not want to have to manage another account: 0=Not selected, 1=Selected [Only present in Atlanta data set].   |
| y2_why_no_ppautomatic             | smallint | Reasons for no Peach Pass account, I do not want my account to be charged automatically: 0=Not selected, 1=Selected [Only present in Atlanta data set].  |
| y2_why_no_ppadvance               | smallint | Reasons for no Peach Pass account, I prefer not to have to pay a deposit in advance: 0=Not selected, 1=Selected [Only present in Atlanta data set].  |
| y2_why_no_ppnot_yet               | smallint | Reasons for no Peach Pass account, I have not yet had a chance to set up an account: 0=Not selected, 1=Selected [Only present in Atlanta data set].  |
| y2_why_no_ppother                 | smallint | Reasons for no Peach Pass account, Other: 0=Not selected, 1=Selected [Only present in Atlanta data set].   |
| y2_last_transitoption             | smallint | Year 2 - Last used public transit: 1=Within the past month, 2=More than a month ago but within the last year, 3=More than a year ago, 4=Has never used local public transit, 5=Within the past month (used transit in diary).                                |
| y2_i_85_freqcount                 | smallint | Year 2 - Number of trips in the I-85 corridor in a typical week: 15=15-19, 20=20-24, 25=25 or more [only present in Atlanta data set].   |
| y2_i_85_everoption                | smallint | Year 2 - Ever makes a trip on I-85 in the corridor: 1=Yes- a few times per month, 2=Yes- about once a month or less, 3=No- I never use I-85 [only present in Atlanta data set].  |



|                              |          |  |
|------------------------------|----------|--|
| y2.i.85.totaloption          | smallint | Year 2 - Used I-85 Express Lanes since opened: 1=Yes,2=No,3=I dont know [only present in Atlanta data set].  |
| y2.i.85.trips_expresscount   | smallint | Year 2 - Number of trips on I-85 Express Lanes in a typical week: RANGE 1-24, 25=25 or more [only present in Atlanta data set].  |
| y2.express_lesscongested     | smallint | Year 2 Reasons for using the Express Lanes less, The regular lanes on I-85 are less congested now: 0=Not selected, 1=Selected [only present in Atlanta data set].  |
| y2.express_lessno_toll       | smallint | Year 2 Reasons for using the Express Lanes less, I would rather not pay a toll in the I-85 Express Lanes: 0=Not selected, 1=Selected [only present in Atlanta data set].   |
| y2.express_lessnot_free      | smallint | Year 2 Reasons for using the Express Lanes less, I carpool with 1 other person and we no longer can use the Express Lane for free: 0=Not selected, 1=Selected [only present in Atlanta data set].  |
| y2.express_lessavoid_express | smallint | Year 2 Reasons for using the Express Lanes less, I use a different route now to avoid I-85: 0=Not selected, 1=Selected [only present in Atlanta data set].   |
| y2.express_lessdifficult     | smallint | Year 2 Reasons for using the Express Lanes less, Entering/Exiting the Express Lanes is difficult/inconvenient: 0=Not selected, 1=Selected [only present in Atlanta data set].  |
| y2.express_lessunsafe        | smallint | Year 2 Reasons for using the Express Lanes less, The Express Lanes are unsafe: 0=Not selected, 1=Selected [only present in Atlanta data set].  |
| y2.express_lessless_often    | smallint | Year 2 Reasons for using the Express Lanes less, Due to changes in my personal/work situation, I use I-85 less often: 0=Not selected, 1=Selected [only present in Atlanta data set].   |
| y2.express_lessother         | smallint | Year 2 Reasons for using the Express Lanes less, Other: 0=Not selected, 1=Selected [only present in Atlanta data set].   |
| y2.express_moretoll_faster   | smallint | Year 2 Reasons for using the Express Lanes more, The tolled Express Lanes are faster/less congested: 0=Not selected, 1=Selected [only present in Atlanta data set].  |
| y2.express_moretoll_safer    | smallint | Year 2 Reasons for using the Express Lanes more, Road conditions are safer now in the Express Lanes: 0=Not selected, 1=Selected [only present in Atlanta data set].  |
| y2.express_morebus_more      | smallint | Year 2 Reasons for using the Express Lanes more, I ride the bus on I-85 more often now: 0=Not selected, 1=Selected [only present in Atlanta data set].   |
| y2.express_moreexpress_free  | smallint | Year 2 Reasons for using the Express Lanes more, I can use the Express Lanes for free (motorcycle, alternative fuel vehicle, and/or 3+ carpool): 0=Not selected, 1=Selected [only present in Atlanta data set].  |
| y2.express_moreexpress_more  | smallint | Year 2 Reasons for using the Express Lanes more, Due to changes in my personal/work situation I use I-85 more often: 0=Not selected, 1=Selected [only present in Atlanta data set].  |
| y2.express_moretoll_alone    | smallint | Year 2 Reasons for using the Express Lanes more, I can drive alone in Express Lanes now: 0=Not selected, 1=Selected [only present in Atlanta data set].  |
| y2.express_moreother         | smallint | Year 2 Reasons for using the Express Lanes more, Other: 0=Not selected, 1=Selected [only present in Atlanta data set].   |
| y2.express_decideoption      | smallint | Year 2 Time when decides to pay a toll and drive in the I-85 Express Lanes: 1=Before starting my trip, 2=After starting my trip, 3=Sometimes before and sometimes after starting my trip, 4=I only travel in the Express Lanes for free (on a bus, in a 3+ person carpool, etc.) [only present in Atlanta data set]. |
| y2.decide_aftercongested     | smallint | Year 2 Reasons for using the Express Lanes, The regular lanes on I-85 are very congested: 0=Not selected, 1=Selected [only present in Atlanta data set].   |

|                               |          |  |
|-------------------------------|----------|--|
| y2_decide_aftersave_time      | smallint | Year 2 Reasons for using the Express Lanes, I want to save time: 0=Not selected, 1=Selected [only present in Atlanta data set].  |
| y2_decide_aftermore_reliable  | smallint | Year 2 Reasons for using the Express Lanes, I want to have a more reliable trip: 0=Not selected, 1=Selected [only present in Atlanta data set].  |
| y2_decide_afterless_stressful | smallint | Year 2 Reasons for using the Express Lanes, The I-85 Express Lanes are less stressful: 0=Not selected, 1=Selected [only present in Atlanta data set].  |
| y2_decide_aftersafer          | smallint | Year 2 Reasons for using the Express Lanes, The I-85 Express Lanes are safer: 0=Not selected, 1=Selected [only present in Atlanta data set].   |
| y2_decide_afterother          | smallint | Year 2 Reasons for using the Express Lanes, Other: 0=Not selected, 1=Selected [only present in Atlanta data set].  |
| y2.i.85.tollcarpool           | smallint | Year 2 On I-85 in last month, Carpooled/vanpooled on I-85 instead of driving alone: 1=Never, 2=Rarely, 3=Sometimes, 4=Often, 5=Not applicable [only present in Atlanta data set].  |
| y2.i.85.tollbus               | smallint | Year 2 On I-85 in last month, Rode a public bus (GCT, GRTA, Express bus) instead of driving: 1=Never, 2=Rarely, 3=Sometimes, 4=Often, 5=Not applicable [only present in Atlanta data set].   |
| y2.i.85.tollno_trip           | smallint | Year 2 On I-85 in last month, Decided not to make a trip at all: 1=Never, 2=Rarely, 3=Sometimes, 4=Often, 5=Not applicable [only present in Atlanta data set].   |
| y2.i.85.tollless_frequent     | smallint | Year 2 On I-85 in last month, Made a planned trip less frequently: 1=Never, 2=Rarely, 3=Sometimes, 4=Often, 5=Not applicable [only present in Atlanta data set].   |
| y2.i.85.tollavoid_toll        | smallint | Year 2 On I-85 in last month, Timed my I-85 Express Lane trip to avoid higher toll rates: 1=Never, 2=Rarely, 3=Sometimes, 4=Often, 5=Not applicable [only present in Atlanta data set].  |
| y2.i.85.tollavoid.i.85        | smallint | Year 2 On I-85 in last month, Took a different route/road to avoid using I-85: 1=Never, 2=Rarely, 3=Sometimes, 4=Often, 5=Not applicable [only present in Atlanta data set].   |
| y2.i.85.tollavoid_rush        | smallint | Year 2 On I-85 in last month, Changed trip departure time to avoid congestion in the regular lanes on I-85: 1=Never, 2=Rarely, 3=Sometimes, 4=Often, 5=Not applicable [only present in Atlanta data set].                              |
| y2.i.85.tolltelecommute       | smallint | Year 2 On I-85 in last month, Telecommuted instead of travelling to work using I-85: 1=Never, 2=Rarely, 3=Sometimes, 4=Often, 5=Not applicable [only present in Atlanta data set].   |
| y2.i.85.tollchange_trip       | smallint | Year 2 On I-85 in last month, Changed my destination to avoid travelling on I-85: 1=Never, 2=Rarely, 3=Sometimes, 4=Often, 5=Not applicable [only present in Atlanta data set].  |
| y2.i.85.tollswitch_to.i.85    | smallint | Year 2 On I-85 in last month, Switched to I-85 Express Lanes instead of using another road: 1=Never, 2=Rarely, 3=Sometimes, 4=Often, 5=Not applicable [only present in Atlanta data set].  |
| y2.commute_countoption        | smallint | Year 2 - Number of times commute per week: 1=7 days per week, 2=6 days per week, 3=5 days per week, 4=4 days per week, 5=3 days per week, 6=2 days per week, 7=1 days per week, 8=0 days per week, 9=No fixed site or regular commute. |
| y2.commute_methoddrive        | smallint | Year 2 - Respondent typically commutes by driving alone: 0=Not selected, 1=Selected.   |
| y2.commute_methodcarpool      | smallint | Year 2 - Respondent typically commutes by carpool: 0=Not selected, 1=Selected.   |
| y2.commute_methodvanpool      | smallint | Year 2 - Respondent typically commutes by organized vanpool: 0=Not selected, 1=Selected.   |
| y2.commute_methodbus          | smallint | Year 2 - Respondent typically commutes by bus: 0=Not selected, 1=Selected.   |

|                                  |          |   |
|----------------------------------|----------|---|
| y2_commute_methodtrain           | smallint | Year 2 - Respondent typically commutes by train: 0=Not selected, 1=Selected.  |
| y2_commute_methodmotorcycle      | smallint | Year 2 - Respondent typically commutes by motorcycle/moped: 0=Not selected, 1=Selected.   |
| y2_commute_methodbicycle         | smallint | Year 2 - Respondent typically commutes by bicycle: 0=Not selected, 1=Selected.  |
| y2_commute_methodparatransit     | smallint | Year 2 - Respondent typically commutes by paratransit: 0=Not selected,1=Selected [only present in Atlanta data set].  |
| y2_commute_methodwalk            | smallint | Year 2 - Respondent typically commutes by walking: 0=Not selected, 1=Selected.  |
| y2_commute_methodother           | smallint | Year 2 - Respondent typically commutes by another transportation type: 0=Not selected, 1=Selected.  |
| y2_carpool_endjob_schedule       | smallint | Year 2 - Why no longer carpool, My job location or schedule changed: 0=Not selected,1=Selected [only present in Atlanta data set].                                |
| y2_carpool_endmembers_drop       | smallint | Year 2 Why no longer carpool, Other carpool members dropped out: 0=Not selected, 1=Selected.  |
| y2_carpool_endhov                | smallint | Year 2 Why no longer carpool, HOV lanes less useful in saving time: 0=Not selected, 1=Selected.   |
| y2_carpool_endtransit_vanpool    | smallint | Year 2 Why no longer carpool, I switched to transit or vanpool: 0=Not selected, 1=Selected.   |
| y2_carpool_endconvenient         | smallint | Year 2 - Why no longer carpool, It is faster and more reliable to drive alone in the Express Lanes: 0=Not selected,1=Selected [only present in Atlanta data set]. |
| y2_carpool_endprefer             | smallint | Year 2 Why no longer carpool, I prefer to drive alone now: 0=Not selected, 1=Selected.  |
| y2_carpool_endtwo-person_not_eli | smallint | Year 2 - Why no longer carpool, 2-person carpool no longer eligible to travel for free: 0=Not selected,1=Selected [only present in Atlanta data set].             |
| y2_carpool_endother              | smallint | Year 2 Why no longer carpool, Other: 0=Not selected, 1=Selected.  |
| y2_carpool_starthov_more         | smallint | Year 2 Why start carpool, Using the Express Lanes saves time: 0=Not selected, 1=Selected.   |
| y2_carpool_startshare_cost       | smallint | Year 2 Why start carpool, To share the cost of the gasoline/commuting: 0=Not selected, 1=Selected.  |
| y2_carpool_startexpress_free     | smallint | Year 2 - Why start carpool, To use the Express Lanes for free: 0=Not selected,1=Selected [only present in Atlanta data set].                                      |
| y2_carpool_startshare_toll       | smallint | Year 2 - Why start carpool, To share the cost of the toll: 0=Not selected, 1=Selected.  |
| y2_carpool_startjob_schedule     | smallint | Year 2 Why start carpool, My job location or schedule changed: 0=Not selected, 1=Selected.  |
| y2_carpool_startstress           | smallint | Year 2 - Why start carpool, To reduce stress: 0=Not selected, 1=Selected.   |
| y2_carpool_startenvironment      | smallint | Year 2 Why start carpool, Carpooling is more environmentally friendly: 0=Not selected, 1=Selected.  |
| y2_carpool_startother            | smallint | Year 2 Why start carpool, Other: 0=Not selected, 1=Selected.  |
| y2_vanpool_endjob_schedule       | smallint | Year 2 - Why no longer vanpool, My job location or schedule changed: 0=Not selected,1=Selected [only present in Atlanta data set].                                |
| y2_vanpool_endmembers_drop       | smallint | Year 2 Why no longer vanpool, Other vanpool members dropped out: 0=Not selected, 1=Selected.  |
| y2_vanpool_endhov                | smallint | Year 2 - Why no longer vanpool, Express Lanes less useful in saving time: 0=Not selected,1=Selected [only present in Atlanta data set].                           |

|                                  |          |   |
|----------------------------------|----------|---|
| y2_vanpool_end-transit_carpool   | smallint | Year 2 Why no longer vanpool, I switched to transit or a carpool: 0=Not selected, 1=Selected.   |
| y2_vanpool_endconvenient         | smallint | Year 2 - Why no longer vanpool, It is faster and more reliable to drive alone in the Express Lanes: 0=Not selected,1=Selected [only present in Atlanta data set].   |
| y2_vanpool_endprefer             | smallint | Year 2 Why no longer vanpool, I prefer to drive now: 0=Not selected, 1=Selected.  |
| y2_vanpool_endother              | smallint | Year 2 Why no longer vanpool, Other: 0=Not selected, 1=Selected .   |
| y2_vanpool_starthov              | smallint | Year 2 - Why start vanpool, Using the Express Lanes saves time: 0=Not selected,1=Selected [only present in Atlanta data set].   |
| y2_vanpool_startcost             | smallint | Year 2 Why start vanpool, To reduce my commuting cost: 0=Not selected, 1=Selected.  |
| y2_vanpool_startjob_schedule     | smallint | Year 2 Why start vanpool, My job location or schedule changed: 0=Not selected, 1=Selected.  |
| y2_vanpool_startstress           | smallint | Year 2 Why start vanpool, Vanpooling is less stressful/more convenient: 0=Not selected, 1=Selected.   |
| y2_vanpool_startenvironment      | smallint | Year 2 Why start vanpool, Vanpooling is more environmentally-friendly: 0=Not selected, 1=Selected.  |
| y2_vanpool_startother            | smallint | Year 2 Why start vanpool, Other: 0=Not selected, 1=Selected   |
| y2_telecommute_countoption       | smallint | Year 2 Days per week respondent works from home/telecommutes: 1=5-7 days per week, 2=4 days per week, 3=3 days per week, 4=2 days per week, 5=1 day per week, 6=A few times per month, 7=Less than monthly, 8=Never, 9=N/A. |
| y2_telecommute_moretraffic       | smallint | Year 2 Why telecommute more, Traffic conditions are worse now: 0=Not selected, 1=Selected.  |
| y2_telecommute_moresituation_per | smallint | Year 2 Why telecommute more, My personal situation has changed: 0=Not selected, 1=Selected.   |
| y2_telecommute_moresituation_wor | smallint | Year 2 Why telecommute more, My job situation has changed: 0=Not selected, 1=Selected.  |
| y2_telecommute_moreimproved_tech | smallint | Year 2 Why telecommute more, The computer/telecommunications capabilities in my home are improved: 0=Not selected, 1=Selected.  |
| y2_telecommute_moreenvironment   | smallint | Year 2 Why telecommute more, Environmental reasons: 0=Not selected, 1=Selected.   |
| y2_telecommute_moresave_money    | smallint | Year 2 Why telecommute more, To save money on gas/commuting: 0=Not selected, 1=Selected.  |
| y2_telecommute_moreother         | smallint | Year 2 Why telecommute more, Other: 0=Not selected, 1=Selected.   |
| y2_telecommute_lesstraffic       | smallint | Year 2 Why telecommute less, Traffic conditions are better now: 0=Not selected, 1=Selected.   |
| y2_telecommute_lesssituation_per | smallint | Year 2 Why telecommute less, My personal situation has changed: 0=Not selected, 1=Selected.   |
| y2_telecommute_lesssituation_wor | smallint | Year 2 Why telecommute less, My job responsibilities or tasks have changed: 0=Not selected, 1=Selected.   |
| y2_telecommute_lessother         | smallint | Year 2 Why telecommute less, Other: 0=Not selected, 1=Selected.   |
| y2_scheduleoption                | smallint | Year 2 - Participants schedule can be described as: 1=No flexibility, 2=Can adjust schedule within 30 minutes, 3=Can adjust schedule at will.   |
| y2_no_flexibilitywork            | smallint | Year 2 - Why no flexibility, Work schedule: 0=Not selected, 1=Selected.   |
| y2_no_flexibilitypersonal        | smallint | Year 2 - Why no flexibility, Personal schedule: 0=Not selected, 1=Selected.   |

|                             |          |   |
|-----------------------------|----------|---|
| y2_no_flexibilityother      | smallint | Year 2 - Why no flexibility, Other: 0=Not selected, 1=Selected.   |
| y2_commuter_benefitsparking | smallint | Year 2 - Benefit, Free or discounted parking: 1=Not offered, 2=Offered but dont use, 3=Offered and use, 4=Dont know.  |
| y2_commuter_benefitstransit | smallint | Year 2 - Benefit, Free or discounted transit pass: 1=Not offered, 2=Offered but dont use, 3=Offered and use, 4=Dont know.   |
| y2_commuter_benefitsvanpool | smallint | Year 2 - Benefit, Free or discounted vanpool transportation: 1=Not offered, 2=Offered but dont use, 3=Offered and use, 4=Dont know.   |
| y2_commuter_benefitstoll    | smallint | Year 2 - Benefit, Partial or full reimbursement of toll expense: 1=Not offered, 2=Offered but dont use, 3=Offered and use, 4=Dont know.   |
| y2_devicescomputer          | smallint | Year 2 - Participant owns a computer: 1=Own, 2=Dont own.  |
| y2_devicessmartphone        | smallint | Year 2 - Participant owns a smart phone: 1=Own, 2=Dont own.   |
| y2_devicescell              | smallint | Year 2 - Participant owns a cell phone: 1=Own, 2=Dont own.  |
| y2_devicesgps               | smallint | Year 2 - Participant owns an in-vehicle GPS device: 1=Own, 2=Dont own.  |
| y2_opinion_1stressful       | smallint | Year 2 - Driving on regional highways is stressful for me: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable.  |
| y2_opinion_1delay           | smallint | Year 2 - At least twice a week there is an unexpected delay on my trip: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable.   |
| y2_opinion_1adjust_route    | smallint | Year 2 - I adjust my routes and/or my departure times to avoid traffic congestion: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable.  |
| y2_opinion_1use_tolls       | smallint | Year 2 - I will use a toll route if the tolls are reasonable and I will save time: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable.  |
| y2_opinion_1tolls_unfair    | smallint | Year 2 - Highway tolls are unfair to people with limited incomes: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable.   |
| y2_opinion_1time            | smallint | Year 2 - I dont have enough time in the day to do all I need to do: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable.   |
| y2_opinion_1improved_time   | smallint | Year 2 - Overall, my travel along I-85 has been improved by the Express Lanes: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable.  |
| y2_opinion_1other_routes    | smallint | Year 2 - Traffic congestion has gotten worse on my other routes along the I-85 corridor since tolling started: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable [only present in Atlanta data set]. |
| y2_opinion_1safety          | smallint | Year 2 - I am concerned about my safety when I use the Express Lanes: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable [only present in Atlanta data set].  |
| y2_opinion_2satisfied       | smallint | Year 2 - I am satisfied with my commute: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable.  |

|                             |                   |  |
|-----------------------------|-------------------|--|
| y2_opinion_2consider_change | smallint          | Year 2 - Within the past year, I have seriously considered changing where I live or work to reduce the time I spend traveling: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable. |
| y2_opinion_3switch          | smallint          | Year 2 - As soon as I can, I would like to switch to driving to work: 1=Strongly disagree, 2=Disagree, 3=Somewhat disagree, 4=Neutral, 5=Somewhat agree, 6=Agree, 7=Strongly agree, 8=Not applicable.  |
| y2_participateoption        | smallint          | Year 2 - Willingness to participate in future studies: 1=Yes, 2=No.  |
| home_address*               | character varying | Persons home address   |
| home_longitude*             | double precision  | Longitude of home location.  |
| home_latitude*              | double precision  | Latitude of home location.   |
| geom*                       | geometry          | Geometric point of home location.  |

### survey\_place\_y1

Table contains records of each place visited during year one of the study.

| Name                 | Data Type         | Comment  |
|----------------------|-------------------|--|
| sampno               | character varying | Household identifier   |
| perno                | smallint          | Person identifier  |
| yearnum              | smallint          | Year number of study: 1=year 1, 2 =year 2.   |
| daynum               | smallint          | Date number: 1=First date of study, 2=Second date of study.  |
| tripnum              | smallint          | Year 1 - The number of trip.   |
| maketrip             | smallint          | Year 1 - Made trip: 1=Yes, 2=No.   |
| notripworkhome       | smallint          | Year 1 - No trip because respondent worked from home for pay: 0=Not selected, 1=Selected.                                      |
| notripnoworkhome     | smallint          | Year 1 - No trip because respondent worked around home not for pay: 0=Not selected, 1=Selected.                                |
| notripsick           | smallint          | Year 1 - No trip because respondent was sick or caring for another sick person: 0=Not selected, 1=Selected.                    |
| notripaway           | smallint          | Year 1 - No trip because respondent was out of the area on travel day: 0=Not selected, 1=Selected.                             |
| notripnotransoptions | smallint          | Year 1 -No trip because respondent had no transportation options: 0=Not selected,1=Selected [only present in Atlanta dataset]. |
| notripothor          | smallint          | Year 1 - No trips for another reason: 0=Not selected, 1=Selected.  |
| telecommute          | smallint          | Year 1 - Telecommute: 1=Yes- all day, 2=Yes- part of the day, 3=No.  |
| origin_address*      | character varying | Origin address   |
| origin_lat*          | numeric           | Origin latitude  |
| origin_lon*          | numeric           | Origin longitude   |
| destination_address* | character varying | Destination address  |
| destination_lat*     | numeric           | Destination latitude   |
| destination_lon*     | numeric           | Destination longitude  |
| dep_hr               | smallint          | Departure Hour: RANGE 1-23, 24=0 (Next Day), 25=1 (Next Day), 26=2 (Next Day), etc.  |

|           |          |   |
|-----------|----------|---|
| dep_min   | smallint | Departure minute: RANGE 1-59.   |
| arr_hr    | smallint | Arrival Hour: RANGE 1-23, 24=0 (Next Day), 25=1 (Next Day), 26=2 (Next Day), etc.   |
| arr_min   | smallint | Arrival minute: RANGE 1-59.   |
| purp      | smallint | Trip Purpose: 1=Go home, 2=Go to primary workplace, 3=Go to other work-related location, 4=Child care, 5=School, 6=Personal business, 7=Social/recreational, 8=Exercise/gym, 9=Religious/community activity, 10=Shopping, 11=Eat out or pick up takeout, 12=Drop off or pick up someone else, 13=Other.   |
| mode1     | smallint | First Mode: 1=Auto/truck/motorcycle, 2=Bicycle, 3=Walked/wheelchair, 4=Taxi/limo/shuttle, 5=Public bus, 6=School bus, 7=Organized Vanpool, 8=Train/Rail, 9=Ferry, 10=Dial-A-Ride/Access, 11=Other.  |
| mode2     | smallint | Second Mode: 1=Auto/truck/motorcycle, 2=Bicycle, 3=Walked/wheelchair, 4=Taxi/limo/shuttle, 5=Public bus, 6=School bus, 7=Organized Vanpool, 8=Train/Rail, 9=Ferry, 10=Dial-A-Ride/Access, 11=Other.   |
| mode3     | smallint | Third Mode: 1=Auto/truck/motorcycle, 2=Bicycle, 3=Walked/wheelchair, 4=Taxi/limo/shuttle, 5=Public bus, 6=School bus, 7=Organized Vanpool, 8=Train/Rail, 9=Ferry, 10=Dial-A-Ride/Access, 11=Other.  |
| mode4     | smallint | Fourth Mode: 1=Auto/truck/motorcycle, 2=Bicycle, 3=Walked/wheelchair, 4=Taxi/limo/shuttle, 5=Public bus, 6=School bus, 7=Organized Vanpool, 8=Train/Rail, 9=Ferry, 10=Dial-A-Ride/Access, 11=Other.   |
| driver    | smallint | Driver/Passenger 1=Driver, 2=Passenger  |
| parkcost  | smallint | parking cost 0=Free, RANGE 1-24=\$1.00-\$24.99, 25=\$25.00 or more, 26=Did not park.  |
| hhocc     | smallint | Household Members in Vehicle: RANGE 1-9, 10=10 or more.   |
| oth_hhocc | smallint | Non-Household Members in Vehicle: RANGE 1-5, 6=6 or more.   |
| traveli85 | smallint | Trip used I-85 corridor: 1=Yes,2=No [only present in Atlanta data set].   |
| corridor  | smallint | Did trip use I-85 in corridor? 1=Drove on I-85,2=Drove and took transit on I-85,3=Took transit on I-85,4=Travelled on other routes/roads in the corridor [only present in Atlanta data set].  |
| exiton    | smallint | Ramp used to enter I-85: 1=North of Exit 111 Lawrenceville Suwanee Rd,2=Exit 111 Lawrenceville Suwanee Rd/Rt 317,3=Exit 109 Old Peachtree Rd NW,4=Exit 108 Sugarloaf Pkwy,5=Exit 107 Duluth Hwy/Boggs Rd/Rt 120,6=Exit 106 Lawrenceville bypass/Rt 316/Univ Pkwy,7=Exit 105 Old Norcross Rd,8=Exit 104 Pleasant Hill Rd,9=Exit 103 Steve Reynolds Blvd,10=Exit 102 Beaver Ruin Rd/GA 378,11=Exit 101 Indian Trail-Lilburn Rd,12=Exit 99 Jimmy Carter Blvd/Rt 140,13=Exit 96 Pleasantdale Rd /Northcrest Rd,14=Exit 95, 95A, 95B I-285 Perimeter,15=Exit 94 Chamblee Tucker Rd,16=South of Exit 94 (south of I-285 perimeter),17=I dont know [only present in Atlanta data set]. |

|                         |          |  |
|-------------------------|----------|--|
| exitoff                 | smallint | Ramp used to exit I-851=North of Exit 111 Lawrenceville Suwanee Rd,2=Exit 111 Lawrenceville Suwanee Rd/Rt 317,3=Exit 109 Old Peachtree Rd NW,4=Exit 108 Sugarloaf Pkwy,5=Exit 107 Duluth Hwy/Boggs Rd/Rt 120,6=Exit 106 Lawrenceville bypass/Rt 316/Univ Pkwy,7=Exit 105 Old Norcross Rd,8=Exit 104 Pleasant Hill Rd,9=Exit 103 Steve Reynolds Blvd,10=Exit 102 Beaver Ruin Rd/GA 378,11=Exit 101 Indian Trail-Lilburn Rd,12=Exit 99 Jimmy Carter Blvd/Rt 140,13=Exit 96 Pleasantdale Rd /Northcrest Rd,14=Exit 95, 95A, 95B I-285 Perimeter,15=Exit 94 Chamblee Tucker Rd,16=South of Exit 94 (south of I-285 perimeter),17=I dont know [only present in Atlanta data set]. |
| hov                     | smallint | Did trip use HOV lanes on I-85? 1=Yes- in a multiple occupant vehicle,2=Yes- in an alternative fuel vehicle,3=No [only present in Atlanta data set].   |
| express                 | smallint | Did trip use I-85 Express Lanes? 1=Yes- drove alone and paid a toll,2=Yes- drove as a 2-person carpool and paid a toll,3=Yes- as a 3+ person carpool,4=Yes- using an alternative fuel vehicle or motorcycle,5=Yes- rode a bus,6=No- used the regular lanes on I-85 [only present in Atlanta data set].   |
| expressdistance         | smallint | Distance traveled in I-85 Express Lanes: 1=Less than 5 miles,2=5-9 miles,3=10-14 miles,4=All 15 miles [only present in Atlanta data set].  |
| expresstoll             | smallint | Toll paid to use I-85 Express Lanes: 0=I dont know,1=Less than \$1.00,2=\$1.00-\$1.99,3=\$2.00-\$2.99,4=\$3.00-\$3.99,5=\$4.00-\$4.99,6=\$5.00-\$5.99,7=\$6.00 or higher [only present in Atlanta data set].   |
| auto_sat_time           | smallint | Auto Satisfaction Time: 1=Very Dissatisfied, 2=Dissatisfied, 3=Somewhat Dissatisfied, 4=Neutral, 5=Somewhat Satisfied, 6=Satisfied, 7=Very Satisfied, 8=Not Applicable.  |
| auto_sat_congestion     | smallint | Auto Satisfaction Congestion: 1=Very Dissatisfied, 2=Dissatisfied, 3=Somewhat Dissatisfied, 4=Neutral, 5=Somewhat Satisfied, 6=Satisfied, 7=Very Satisfied, 8=Not Applicable.  |
| auto_sat_predictability | smallint | Auto Satisfaction Predictability: 1=Very Dissatisfied, 2=Dissatisfied, 3=Somewhat Dissatisfied, 4=Neutral, 5=Somewhat Satisfied, 6=Satisfied, 7=Very Satisfied, 8=Not Applicable.  |
| trans_sat_time          | smallint | Transit Satisfaction Time: 1=Very Dissatisfied, 2=Dissatisfied, 3=Somewhat Dissatisfied, 4=Neutral, 5=Somewhat Satisfied, 6=Satisfied, 7=Very Satisfied, 8=Not Applicable.   |
| trans_sat_wait          | smallint | Transit Satisfaction - Wait: 1=Very Dissatisfied, 2=Dissatisfied, 3=Somewhat Dissatisfied, 4=Neutral, 5=Somewhat Satisfied, 6=Satisfied, 7=Very Satisfied, 8=Not Applicable.   |
| trans_sat_reliability   | smallint | Transit Satisfaction Reliability: 1=Very Dissatisfied, 2=Dissatisfied, 3=Somewhat Dissatisfied, 4=Neutral, 5=Somewhat Satisfied, 6=Satisfied, 7=Very Satisfied, 8=Not Applicable.  |
| trans_sat_availability  | smallint | Transit Satisfaction Availability: 1=Very Dissatisfied, 2=Dissatisfied, 3=Somewhat Dissatisfied, 4=Neutral, 5=Somewhat Satisfied, 6=Satisfied, 7=Very Satisfied, 8=Not Applicable.   |
| trans_sat_parking       | smallint | Transit Satisfaction - Parking: 1=Very Dissatisfied,2=Dissatisfied,3=Somewhat Dissatisfied,4=Neutral,5=Somewhat Satisfied,6=Satisfied,7=Very Satisfied,8=Not Applicable [only present in Atlanta data set].  |
| sourceradio             | smallint | Information Source Radio: 0=Not Selected, 1=Selected.  |
| sourcestv               | smallint | Information Source TV: 0=Not Selected, 1=Selected.   |
| sourcephone             | smallint | Information Source phone: 0=Not Selected, 1=Selected.  |
| sourceweb               | smallint | Information Source Web: 0=Not Selected, 1=Selected.  |
| sourcesign              | smallint | Information Source Sign: 0=Not Selected, 1=Selected.   |



|             |          |  |
|-------------|----------|--|
| sourcegps   | smallint | Information Source GPS: 0=Not Selected, 1=Selected.            |
| sourceapp   | smallint | Information Source Smart phone: 0=Not Selected, 1=Selected.    |
| sourceother | smallint | Information Source other: 0=Not Selected, 1=Selected.          |
| sourcenone  | smallint | Information Source None: 0=Not Selected, 1=Selected.           |
| geom*       | geometry | Geometric point data representing trip origin and destination. |

## survey\_place.y2

Table contains records of each place visited during year two of the study.

| Name                 | Data Type         | Comment   |
|----------------------|-------------------|---|
| sampno               | character varying | Household identifier  |
| perno                | smallint          | Person identifier   |
| yearnum              | smallint          | Year number of study: 1=year 1, 2 =year 2.  |
| daynum               | smallint          | Date number: 1=First date of study, 2=Second date of study.   |
| tripnum              | smallint          | Year 2 - The number of trip.  |
| maketrip             | smallint          | Year 2 - Made trip: 1=Yes, 2=No.  |
| notripworkhome       | smallint          | Year 2 - No trip because respondent worked from home for pay: 0=Not selected, 1=Selected.   |
| notripnoworkhome     | smallint          | Year 2 - No trip because respondent worked around home not for pay: 0=Not selected, 1=Selected.   |
| notripsick           | smallint          | Year 2 - No trip because respondent was sick or caring for another sick person: 0=Not selected, 1=Selected.   |
| notripaway           | smallint          | Year 2 - No trip because respondent was out of the area on travel day: 0=Not selected, 1=Selected.  |
| notripnotransoptions | smallint          | Year 2 - No trip because respondent had no transportation options: 0=Not selected,1=Selected [only present in Atlanta data set].  |
| notripothor          | smallint          | Year 2 - No trips for another reason: 0=Not selected, 1=Selected.   |
| telecommute          | smallint          | Year 2 - Telecommute: 1=Yes- all day, 2=Yes- part of the day, 3=No.   |
| origin_address*      | character varying | Origin address  |
| origin_lat*          | numeric           | Origin latitude   |
| origin_lon*          | numeric           | Origin longitude  |
| destination_address* | character varying | Destination address   |
| destination_lat*     | numeric           | Destination latitude  |
| destination_lon*     | numeric           | Destination longitude   |
| dep_hr               | smallint          | Departure Hour: RANGE 1-23, 24=0 (Next Day), 25=1 (Next Day), 26=2 (Next Day), etc.   |
| dep_min              | smallint          | Departure minute: RANGE 1-59.   |
| arr_hr               | smallint          | Arrival Hour: RANGE 1-23, 24=0 (Next Day), 25=1 (Next Day), 26=2 (Next Day), etc.   |
| arr_min              | smallint          | Arrival minute: RANGE 1-59.   |
| purp                 | smallint          | Trip Purpose: 1=Go home, 2=Go to primary workplace, 3=Go to other work-related location, 4=Child care, 5=School, 6=Personal business, 7=Social/recreational, 8=Exercise/gym, 9=Religious/community activity, 10=Shopping, 11=Eat out or pick up takeout, 12=Drop off or pick up someone else, 13=Other. |

|           |          |   |
|-----------|----------|---|
| mode1     | smallint | First Mode: 1=Auto/truck/motorcycle, 2=Bicycle, 3=Walked/wheelchair, 4=Taxi/limo/shuttle, 5=Public bus, 6=School bus, 7=Organized Vanpool, 8=Train/Rail, 9=Ferry, 10=Dial-A-Ride/Access, 11=Other.  |
| mode2     | smallint | Second Mode: 1=Auto/truck/motorcycle, 2=Bicycle, 3=Walked/wheelchair, 4=Taxi/limo/shuttle, 5=Public bus, 6=School bus, 7=Organized Vanpool, 8=Train/Rail, 9=Ferry, 10=Dial-A-Ride/Access, 11=Other.   |
| mode3     | smallint | Third Mode: 1=Auto/truck/motorcycle, 2=Bicycle, 3=Walked/wheelchair, 4=Taxi/limo/shuttle, 5=Public bus, 6=School bus, 7=Organized Vanpool, 8=Train/Rail, 9=Ferry, 10=Dial-A-Ride/Access, 11=Other.  |
| mode4     | smallint | Fourth Mode: 1=Auto/truck/motorcycle, 2=Bicycle, 3=Walked/wheelchair, 4=Taxi/limo/shuttle, 5=Public bus, 6=School bus, 7=Organized Vanpool, 8=Train/Rail, 9=Ferry, 10=Dial-A-Ride/Access, 11=Other.   |
| driver    | smallint | Driver/Passenger 1=Driver, 2=Passenger  |
| parkcost  | smallint | parking cost 0=Free, RANGE 1-24=\$1.00-\$24.99, 25=\$25.00 or more, 26=Did not park.  |
| hhocc     | smallint | Household Members in Vehicle: RANGE 1-9, 10=10 or more.   |
| oth_hhocc | smallint | Non-Household Members in Vehicle: RANGE 1-5, 6=6 or more.   |
| traveli85 | smallint | Trip used I-85 corridor: 1=Yes,2=No [only present in Atlanta data set].   |
| corridor  | smallint | Did trip use I-85 in corridor? 1=Drove on I-85,2=Drove and took transit on I-85,3=Took transit on I-85,4=Travelled on other routes/roads in the corridor [only present in Atlanta data set].  |
| exiton    | smallint | Ramp used to enter I-85: 1=North of Exit 111 Lawrenceville Suwanee Rd,2=Exit 111 Lawrenceville Suwanee Rd/Rt 317,3=Exit 109 Old Peachtree Rd NW,4=Exit 108 Sugarloaf Pkwy,5=Exit 107 Duluth Hwy/Boggs Rd/Rt 120,6=Exit 106 Lawrenceville bypass/Rt 316/Univ Pkwy,7=Exit 105 Old Norcross Rd,8=Exit 104 Pleasant Hill Rd,9=Exit 103 Steve Reynolds Blvd,10=Exit 102 Beaver Ruin Rd/GA 378,11=Exit 101 Indian Trail-Lilburn Rd,12=Exit 99 Jimmy Carter Blvd/Rt 140,13=Exit 96 Pleasantdale Rd /Northcrest Rd,14=Exit 95, 95A, 95B I-285 Perimeter,15=Exit 94 Chamblee Tucker Rd,16=South of Exit 94 (south of I-285 perimeter),17=I dont know [only present in Atlanta data set]. |
| exitoff   | smallint | Ramp used to exit I-85:1=North of Exit 111 Lawrenceville Suwanee Rd,2=Exit 111 Lawrenceville Suwanee Rd/Rt 317,3=Exit 109 Old Peachtree Rd NW,4=Exit 108 Sugarloaf Pkwy,5=Exit 107 Duluth Hwy/Boggs Rd/Rt 120,6=Exit 106 Lawrenceville bypass/Rt 316/Univ Pkwy,7=Exit 105 Old Norcross Rd,8=Exit 104 Pleasant Hill Rd,9=Exit 103 Steve Reynolds Blvd,10=Exit 102 Beaver Ruin Rd/GA 378,11=Exit 101 Indian Trail-Lilburn Rd,12=Exit 99 Jimmy Carter Blvd/Rt 140,13=Exit 96 Pleasantdale Rd /Northcrest Rd,14=Exit 95, 95A, 95B I-285 Perimeter,15=Exit 94 Chamblee Tucker Rd,16=South of Exit 94 (south of I-285 perimeter),17=I dont know [only present in Atlanta data set].   |
| hov       | smallint | Did trip use HOV lanes on I-85? 1=Yes- in a multiple occupant vehicle,2=Yes- in an alternative fuel vehicle,3=No [only present in Atlanta data set].  |
| express   | smallint | Did trip use I-85 Express Lanes? 1=Yes- drove alone and paid a toll,2=Yes- drove as a 2-person carpool and paid a toll,3=Yes- as a 3+ person carpool,4=Yes- using an alternative fuel vehicle or motorcycle,5=Yes- rode a bus,6=No- used the regular lanes on I-85 [only present in Atlanta data set].  |

|                         |          |  |
|-------------------------|----------|--|
| expressdistance         | smallint | Distance traveled in I-85 Express Lanes: 1=Less than 5 miles,2=5-9 miles,3=10-14 miles,4=All 15 miles [only present in Atlanta data set].  |
| expresstoll             | smallint | Toll paid to use I-85 Express Lanes: 0=I dont know,1=Less than \$1.00,2=\$1.00-\$1.99,3=\$2.00-\$2.99,4=\$3.00-\$3.99,5=\$4.00-\$4.99,6=\$5.00-\$5.99,7=\$6.00 or higher [only present in Atlanta data set]. |
| auto_sat_time           | smallint | Auto Satisfaction Time: 1=Very Dissatisfied, 2=Dissatisfied, 3=Somewhat Dissatisfied, 4=Neutral, 5=Somewhat Satisfied, 6=Satisfied, 7=Very Satisfied, 8=Not Applicable.                                      |
| auto_sat_congestion     | smallint | Auto Satisfaction Congestion: 1=Very Dissatisfied, 2=Dissatisfied, 3=Somewhat Dissatisfied, 4=Neutral, 5=Somewhat Satisfied, 6=Satisfied, 7=Very Satisfied, 8=Not Applicable.                                |
| auto_sat_predictability | smallint | Auto Satisfaction Predictability: 1=Very Dissatisfied, 2=Dissatisfied, 3=Somewhat Dissatisfied, 4=Neutral, 5=Somewhat Satisfied, 6=Satisfied, 7=Very Satisfied, 8=Not Applicable.                            |
| trans_sat_time          | smallint | Transit Satisfaction Time: 1=Very Dissatisfied, 2=Dissatisfied, 3=Somewhat Dissatisfied, 4=Neutral, 5=Somewhat Satisfied, 6=Satisfied, 7=Very Satisfied, 8=Not Applicable.                                   |
| trans_sat_wait          | smallint | Transit Satisfaction - Wait: 1=Very Dissatisfied, 2=Dissatisfied, 3=Somewhat Dissatisfied, 4=Neutral, 5=Somewhat Satisfied, 6=Satisfied, 7=Very Satisfied, 8=Not Applicable.                                 |
| trans_sat_reliability   | smallint | Transit Satisfaction Reliability: 1=Very Dissatisfied, 2=Dissatisfied, 3=Somewhat Dissatisfied, 4=Neutral, 5=Somewhat Satisfied, 6=Satisfied, 7=Very Satisfied, 8=Not Applicable.                            |
| trans_sat_availability  | smallint | Transit Satisfaction Availability: 1=Very Dissatisfied, 2=Dissatisfied, 3=Somewhat Dissatisfied, 4=Neutral, 5=Somewhat Satisfied, 6=Satisfied, 7=Very Satisfied, 8=Not Applicable.                           |
| trans_sat_parking       | smallint | Transit Satisfaction - Parking: 1=Very Dissatisfied,2=Dissatisfied,3=Somewhat Dissatisfied,4=Neutral,5=Somewhat Satisfied,6=Satisfied,7=Very Satisfied,8=Not Applicable [only present in Atlanta data set].  |
| sourceradio             | smallint | Information Source Radio: 0=Not Selected, 1=Selected.  |
| sourcestv               | smallint | Information Source TV: 0=Not Selected, 1=Selected.   |
| sourcephone             | smallint | Information Source phone: 0=Not Selected, 1=Selected.  |
| sourceweb               | smallint | Information Source Web: 0=Not Selected, 1=Selected.  |
| sourcesign              | smallint | Information Source Sign: 0=Not Selected, 1=Selected.   |
| sourcegps               | smallint | Information Source GPS: 0=Not Selected, 1=Selected.  |
| sourceapp               | smallint | Information Source Smart phone: 0=Not Selected, 1=Selected.  |
| sourceother             | smallint | Information Source other: 0=Not Selected, 1=Selected.  |
| sourcenone              | smallint | Information Source None: 0=Not Selected, 1=Selected.   |
| geom*                   | geometry | Geometric point data representing trip origin and destination.   |

\* Indicates that the column has been redacted from cleansed data sets available at [www.nrel.gov/tsdc](http://www.nrel.gov/tsdc). It has been determined that the column contains sensitive data that must be viewed within the TSDC's secure portal environment.

Note: When necessary, a series of lookup tables was provided in the database to identify the meanings of certain integer-represented responses to survey questions.

How to Cite the TSDC:

If you use TSDC data in a publication, please send a notification to **tsdc@nrel.gov** and include a citation that is consistent with the following format in your publication:

"Transportation Secure Data Center" (2016). National Renewable Energy Laboratory. [*Date TSDC data was accessed*]. [www.nrel.gov/tsdc](http://www.nrel.gov/tsdc).