UTAH HTS QUESTIONNAIRE

CONTENTS

1.0 INSTRUCTIONS FOR REVIEW

This document includes the proposed questionnaire for the Utah Statewide Household Travel Survey (HTS). This questionnaire covers participation in the web, app, and call center instruments. All content will be available in both English and Spanish in the final programmed surveys. Note that some text in this questionnaire (Sections 2.0, 4.0, 12.0, 13.0, and 16.0) are part of the app and used across many projects. This text cannot be changed.

Questionnaire Sections:

The survey is divided into several sections:

- A **signup survey** that one member of the household completes at the beginning of the study.

- **Daily surveys** that each adult member completes after each travel day. These surveys are split across the seven-day travel period for app participants. Web and call center participants will see all questions at the same time after their single travel day. Note that some questions are asked every day and some questions are asked only once during the travel period.

- **Proxy surveys** that one adult completes on behalf of each child in the household. These are similar to daily surveys but are tailored to child travel (e.g., asking about travel to school).

- **Trip surveys** that each member completes after each reported or app-detected trip.

Notes for Review:

- Variable / page names are noted in brackets and capital letters. These are **not** indicative of the variable names that will be delivered in the final dataset. These names are used for programming (and are included here to allow QC of the final programmed instrument).

- Programmer notes are included in red italics. Survey logic is included in blue italics.

- Single-select (radio) questions are noted with open circle bullets. Multi-select (checkbox) questions are noted with open square bullets.

2.0 ACTIVATION

2.1 [ACCESS_CODE]

Please enter your access code.

Programmer: Access code entry

2.2 [MEMBER_1_EMAIL]

Please enter your email so we can send you a new, secure participation code.

Programmer: text box entry, accept valid email responses only

2.3 [PARTICIPATION_CODE]

We just sent your new participation code to <email>**.**

Please enter that code here once you receive it. This may take a few minutes.

*Please keep track of this code. You will use this code any time you need to log back in.

Programmer: Participation code entry

2.4 [LANGUAGE]

2.5 [TERMS_AND_AGREEMENT]

if rMove

3.0 SIGNUP SURVEY

3.1 [INTRO]

Thank you for your participation!

The purpose of the Utah Moves Transportation Survey is to understand the travel patterns and needs of residents like you. Your participation is important to us, and your responses will impact future transportation planning decisions throughout Utah.

Programmer: Subsequent text is shown to rMove Web users only.

This study is conducted by Resource Systems Group, Inc. for the Utah Department of Transportation (UDOT), the Utah Transit Authority (UTA), and Utah's four metropolitan planning organizations: Cache MPO, Dixie MPO, the Mountainland Association of Governments (MAG), and the Wasatch Front Regional Council (WFRC).

We are committed to protecting the confidentiality, integrity, and security of your personal information. We take this responsibility seriously. Our privacy documentation is intended to help you understand how we collect and safeguard your information. Please **click here** to view our privacy documentation. If you have any questions or concerns, please **contact us**. You may also visit the study website at **utahtransportationsurvey.org**.

By clicking 'Next,' you consent to the study's privacy documentation provided above.

3.2 [INCENTIVE_TYPE]

if ABS or convenience sample segment

Would you like to receive a gift card after completing the study?

- o   Yes, please send me an Amazon e-gift card (delivered by email) *hide if call center URL*
- o   Yes, please send me a Walmart e-gift card (delivered by email) *hide if call center URL*
- o   Yes, please send me a Visa gift card (delivered by mail)
- o   No, prefer no gift card

3.3 [INCENTIVE_MAIL_ADDRESS]

if selected a Visa mailed gift card for incentive type

Where should we mail your Visa gift card after your household completes the study?

Name: *Programmers: text box entry (require)*

Street Address: *Programmers: text box entry (require)*

Suite, Apt, Unit: *Programmers: text box entry (allow to be null)*

City: *Programmers: text box entry (require)*

State: *Programmers: text box entry (require)*

Zip Code: *Programmers: text box entry (require)*

3.4 [RAFFLE]

if university sample segment

Would you like to be entered into a prize drawing to receive one of forty $100 gift cards after completing the survey? Prize drawings will occur monthly from March – July.

Prize drawing rules are available at **utahtransportationsurvey.org/raffles/**.

- o Yes, please enter me in the $100 prize drawing.
- o No, do not enter me in the prize drawing.

3.5 [MEMBER_1_NAME]

First, we will ask a short set of questions about you and your travel preferences.

Please provide your first name, initials, or a nickname.

Programmer: text box entry

3.6 [NUM_VEHICLES]

How many registered motor vehicles are in your household?

Include vehicles available for use (e.g., don't include vehicles away at college, broken down vehicles).

Please do NOT include uninspected/unregistered motor vehicles. Please do NOT include vehicles such as ATVs, snowmobiles, trailers, or watercraft.

- o 0 (no vehicles in my household)
- o 1
- o 2

- o 3
- o 4
- o 5
- o 6
- o 7
- o 8 or more

3.7 [VEHICLE_DETAILS]

show if number of vehicles > 0

Please provide the year, make, & model for each vehicle (e.g., 2011 Ford F-150).

Programmer: Show drop downs of year, make, and model for current vehicle database. Include an 'Other' option in each drop down and if 'Other' is selected in any drop down then show text box and ensure that all subsequent drop downs are nulled out if the participant writes in the 'Other' text box

3.8 [FUEL_TYPE]

Logic: show if number of vehicles > 0

What type of fuel does each vehicle use?

Programmer: Show list of all household vehicles.

- o Gas
- o Hybrid (HEV)
- o Plug-in hybrid (PHEV)
- o Electric (EV)
- o Diesel
- o Other (e.g., natural gas, bio-diesel)

3.9 [TOLL_TRANSPONDER]

show if number of vehicles > 0

Does this vehicle have an I-15 express lane toll transponder?

If you share a transponder among vehicles, please select the vehicle that usually has the transponder.

Programmer: Show list of all household vehicles.

- o No
- o Yes

3.10 [NUM_PEOPLE]

How many OTHER people live in your household?

Please include all other adults, children, and roommates who normally live with you. Do not include people who are currently living away from home (e.g., away at college, active duty military).

- o   0 (I live alone)
- o   1
- o   2
- o   3
- o   4
- o   5
- o   6
- o   7
- o   8
- o   9
- o   10
- o   11
- o   12 or more people live with me

3.11 [OTHER_MEMBERS_NAMES]

if household size is greater than 1

Please provide an initial/nickname for the OTHER people in your household.

This will save you time as you complete the survey.

Programmer: Text box entry

Programmer: Validate so text box count = number of people minus the primary participant taking the signup survey (whose name we already collected).

Programmer: Validate all entries are unique and unique from primary participant taking the signup survey.

3.12 [RELATIONSHIP]

if household size is greater than 1

What is each person's relationship to you?

Programmer: Show list of all persons in HH other than the person responding. Any member whose relationship to member 1 is "nonrelative" is considered NOT related for future logic.

- o   Spouse, partner
- o   Child, child in-law
- o   Parent, parent in-law
- o   Sibling, sibling in-law
- o   Other relative (grandchild, cousin)
- o   Nonrelative (friend, roommate, household help)

3.13 [DEFINE_RELATED]

show if any household members are "nonrelative" to member 1

Programmer: If only related household members are surveyable (no question asked):

In this study, we will ask certain questions only of household members who are 'related' to you and will only ask those members to report travel.

For the purposes of this study, 'related' household members include spouses, unmarried partners, children, parents, siblings, and other relatives. Roommates, friends, household help, and other nonrelatives are not included in 'related' household members.

3.14 [AGE]

What is the age range of each person?

Programmer: Show list of all household members

- o   Under 5 if not household member 1
- o   5-15 if not household member 1
- o   16-17 if not household member 1
- o   18-24
- o   25-34
- o   35-44
- o   45-54
- o   55-64
- o   65-74

- 75-84
- 85 or older

3.15 [EMPLOYMENT]

Jobs affect many people's transportation needs.

As of today, what is each person's employment status?

Programmer: Show list of all persons age 16 or older

- Employed full-time (35 or more hours per week, paid)
- Employed part-time (less than 35 hours per week, paid)
- Employed, but not currently working (e.g., on leave, furloughed 100%)
- Self-employed
- Unpaid volunteer or intern
- Unemployed and looking for work
- Not employed and not looking for work (e.g., retired, stay-at-home parent, student)

3.16 [NUM_JOBS]

if household has 1 or more participating members employed full/part/furloughed/self/volunteer

How many jobs does each person have?

Programmer: Show each person who is employed full/part/furloughed/self/volunteer AND participating

- 1
- 2
- 3
- 4
- 5
- 6 or more

3.17 [JOB_TYPE]

if household has 1 or more participating members employed full/part/self/volunteer

As of today, which of the following best describes each person's CURRENT work location?

Programmer: if at least one related HH member has more than one job: **Please answer for the job where each person works the most hours.**

Programmer: Show list of persons age 16+ who are employed full/part/self/volunteer AND related

- o Go to one work location ONLY (outside of home)
- o Work ONLY from home or remotely (telework, self-employed)
- o Telework some days and travel to a work location some days
- o Work location regularly varies (different offices/jobsites)
- o Drive/bike/travel for work (driver, sales, deliveries)

3.18 [STUDENT]

School schedules affect many people's transportation needs.

As of today, which adults are enrolled as a student?

Programmer: Show list of all persons age 18 or older

- o Not a student hide if person 1 of university segment
- o Part-time student, currently attending some or all classes in-person
- o Part-time student, ONLY online classes
- o Full-time student, currently attending some or all classes in-person
- o Full-time student, ONLY online classes

3.19 [SCHOOL_TYPE]

if household has 1 or more related children age 0-17 or 1 or more participating adult students

As of today, in what level of school is each person enrolled?

If someone is enrolled in multiple school types (e.g., both home school and in-person school), please select the type of school they attend most of the time.

Programmer: Show list of related persons age 0-17 AND related adult students

- o Cared for at home (no school) if age = under 5
- o Daycare outside home if age = 0-5
- o Preschool if age = 0-15
- o Elementary school if age = 0-15
- o Middle school if age = 5-15
- o High school if age = 5-24
- o Vocational/technical school if age >= 16
- o 2-year college if age >= 16

- o   4-year college *if age >= 16*
- o   Graduate or professional school *if age >= 16*
- o   Other

3.20 [SCHOOL_TYPE_2]

What is each person's school type?

Programmer: Show list of participating household members with school_type = elementary, middle, high school, other

- o   Home school *if age = 0-17*
- o   Public (in-person)
- o   Public (online)
- o   Private (in-person)
- o   Private (online)
- o   Charter (in-person)
- o   Charter (online)

3.21 [STUDENT_HOUSING]

if university sample segment

As of today, which best describes your housing for the current academic term?

- o   On-campus housing
- o   Off-campus housing

3.22 [SECOND_HOME]

Programmer: If 1 participating household member (only one person listed below) **Do you regularly (e.g., at least monthly) spend the night at a second home (e.g., another parent or grandparent's house, partner or spouse's home)?**

Programmer: If 2+ participating household members **Do any household members (including yourself) regularly (e.g., at least monthly) spend the night at a second home (e.g., another parent or grandparent's house, partner or spouse's home)?**

Please <u>exclude vacation or seasonal homes</u> where you do not regularly spend the night.

Programmer: Show list of all participating household members

- o   Does not regularly spend night at second home

o   Regularly spends night at second home

3.23 [HABITUAL_LOCATIONS]

Now we will ask about the places your household goes the most. We ask this to save you time as you take the survey.

Thanks for your participation. **Please click 'Next' to continue.**

3.24 [HOME_LOC]

Where is your home located?

Programmer: Geocoder centered over current lat/lon

3.25 [SECOND_HOME_LOC]

Show if any household member has a second home
Where is each person's second home located?

Please <u>exclude vacation or seasonal homes</u> where you do not regularly spend the night.

Programmers: Show list of participating HH members with a second home.

Programmers: Geocoder centered over current lat/lon

3.26 [WORK_LOC]

If household has 1 or more participating HH members with "only one work location" or "teleworks some days and travels to a work location some days" for job type

Where is each person's primary workplace located?

Programmer: Show for participating HH members with "only one work location" or "teleworks some days and travels to a work location some days" for job_type

Programmer: Geocoder centered over current lat/lon

3.27 [SCHOOL_LOC]

If household has 1 or more participating adult students who attend class in person or children who are *not homeschooled or cared for at home*

Where is each person's school located?

If currently attending school remotely due to COVID-19, please report the school location each person will return to when they are no longer attending school remotely. Do NOT report their home location.

Programmer: Show list of participating persons age 18+ who are students and attend class in person (based on [student]) AND all related children who are not homeschooled (based on [school_type_2]) or cared for at home (based on [school_type])

Programmer: Geocoder centered over current lat/lon

3.28 [ETHNICITY]

Thanks. These next questions help us understand how well the study results represent the demographics of the overall region.

What is your Hispanic, Latino, or Spanish origin?

Select all that apply.

Programmer: Ask of member 1 only.

Programmer: If 2+ participating household members We will ask this information about <your/Name's> other household members later in this survey.

- ☐ Not of Hispanic, Latino, or Spanish origin *Programmers: Clears set*
- ☐ Mexican, Mexican American, Chicano
- ☐ Puerto Rican
- ☐ Cuban
- ☐ Another Hispanic, Latino, or Spanish origin
- ☐ Prefer not to answer *Programmers: Clears set*

3.29 [ETHNICITY_OTHER]

if responded "Other" ethnicity

You selected 'another Hispanic, Latino, or Spanish origin.' Please tell us more.

Programmer: Text box entry

3.30 [RACE]

What is your race?

Select all that apply.

Programmer: Ask of member 1 only.

Programmer: If 2+ participating household members We will ask this information about <your/Name's> other household members later in this survey.

- ☐   African American or Black
- ☐   American Indian or Alaska Native
- ☐   Asian
- ☐   Native Hawaiian or other Pacific Islander
- ☐   White
- ☐   Other race
- ☐   Prefer not to answer *Programmers: Clears set*

3.31 [RACE_OTHER]

if responded "Other" race

You selected 'other race.' Please tell us more.

Programmer: Text box entry

3.32 [GENDER]

What is each person's gender?

Programmer: Show list of participating household members

- o   Female
- o   Male
- o   Non-binary
- o   Other/prefer to self-describe
- o   Prefer not to answer

3.33 [DRIVER]

Show if household has only 1 participating HH *member* age 16+

Do you drive? Please answer yes if they can drive a motor vehicle including a car, personal truck, SUV, van, or motorcycle.

We will use this information to customize which transportation questions you are asked in this study.

Show if household has more than 1 participating HH members age 16+

Does each person drive? Please answer yes if they can drive a motor vehicle including a car, personal truck, SUV, van, or motorcycle.

We will use this information to customize which transportation questions you are asked in this study.
Programmer: Show list of participating persons age 16 or older

- o Yes, drives
- o No, does not drive

3.34 [INCOME_DETAILED]

Last year, what was your household's total annual income (from all sources, before taxes/deductions from pay)?

Programmer: If household has any NON-participating members Please exclude income from members of your household who are not related to you (e.g., roommates, household help).

- o Less than $15,000
- o $15,000-$24,999
- o $25,000-$34,999
- o $35,000-$49,999
- o $50,000-$74,999
- o $75,000-$99,999
- o $100,000-$149,999
- o $150,000-$199,999
- o $200,000-$249,999
- o $250,000 or more
- o Prefer not to answer

3.35 [PHONE_TYPES]

If rMove and household has 2 or more participating persons age 18+ or if rMove for Web ask for all participating persons age 18+

Which persons have a smartphone?

Programmer: Ask for all participating persons age 18+ in HH, except for member 1 in rMove.

- o Has an Apple iPhone
- o Has an Android phone
- o Has other smartphone type
- o Does not have a smartphone

3.36 [WEB_RMOVE_DECIDE]

if recruited via rMove for Web AND eligible for rMove (all participating adults have an eligible smartphone) Use differential incentive values if qualifies for differential incentive.

You've qualified to use the smartphone app <u>rMove</u> to complete the study and receive a higher value gift card.

Would your household like to participate using rMove <if selected an incentive **for** <$25/$35> **per participating adult>?**

- Yes, my household would like to participate in the <u>one-week</u> study using the smartphone app rMove <if selected an incentive for <$25/$35> per participating adult>

- No, my household would like to participate in the <u>one-day</u> study online or over the telephone <if selected an incentive for <$10/$20> per household>

3.37 [INCENTIVE_OFFERING]

if selected an incentive
Programmer: qualifies for higher differential incentive if income less than $35,000, or household has 5 or more members, or household member one reported that they are of Hispanic, Latino, or Spanish origin, or household member one reported any race other than white.

Programmer: (A1) Text for households with 1 participating member age 18+ who is completing via rMove:

Thank you for your answers so far.

<if qualified for differential in signup You've qualified for a higher value gift card.>

As thanks for your participation, you will receive a <$25/$35> gift card after you complete your 7-day travel study in rMove.

Programmer: (A2) Text for households with 2 or more participating members age 18+ who are completing via rMove:

Thank you for your answers so far.

<if qualified for differential in signup Your household has qualified for higher value gift cards.>

As thanks for your participation, each participating adult in your household will receive a <$25/$35> gift card after ALL adults in your household complete their 7-day travel study in rMove.

Programmer: (B1) Text for households with 1 participating member age 18+ who are completing via rMove for Web:

Thank you for your answers so far.

After you report the trips you make on your assigned travel date, you will receive a <$10/$20> gift card.

Programmer: (B2) Text for households with 2 or more participating members age 18+ who signed up via rMove and is NOT eligible for rMove:

Thank you for your answers so far.

<if qualified for differential You've qualified for a higher value gift card.>

After you and your household members report the trips they make on your assigned travel date, you will receive a <$10/$20> gift card.

3.38 [OTHER_MEMBERS_EMAILS]

show if 1 or more other participating adults in household and reporting travel in rMove

Programmer: Validate so text box count = number of participating members over age 18

To complete the study <if selected an incentive and receive your gift card(s)>, all of the adults in your household listed below must download rMove and complete their surveys.

Please provide an email address for these participating adults, so we can send them instructions <if selected an incentive and send their gift card when they complete the study>.

Programmer: Required text box entry for household-level studies. Optional text box entry for person-level studies.

3.39 [PROXY]

if household has children and 2+ participating adults and reporting travel in rMove

Children's trips to and from school, practices, play dates, and other activities are important for transportation planners to understand.

We ask one adult in the household to report about these travel behaviors.

Which adult will report children's trips?

Programmer: Show list of related persons age 18+

3.40 [PHONE_CONTACT]

If reporting travel in rMove for Web *and signup survey is being taken via call center URL*

If you would like to receive study reminders by phone, please provide your phone number, including area code, with no dashes or parentheses (e.g., 8772332446).

Programmer: Optional text box entry, max. 10 digits

3.41 [CLOSE]

Thank you! Please select 'Next' to continue.

4.0 SURVEY PLATFORM PROMPTS

4.1 [RMOVE_PUSH_WEB]

if recruited via rMove and not eligible (all participating adults do not have eligible smartphones)

Thank you for your answers so far! You are now signed up to participate.

Your Next Steps:

We're asking you <if 2+ participating hh members (and the other members of your household)> to keep track of the trips you make for one day on <start date> -- we'll refer to this as your 'travel day.'

Starting on <start date + 1> - the day after your travel day – log in with the participation code we emailed you. Complete the survey by telling us about your travel the previous day.

Visit the study website here and click log in

You may now uninstall the rMove app at any time.

4.2 [WEB_LANDING]

if recruited via rMove for Web

Programmer: If travel date has not passed:

You've been assigned to keep track of the trips you make on <start date>**. Please return to this website or call** <study phone number> **toll-free to report your trips and complete the study on** <start date + 1>**.**

You will have until <start date + 7> **to report your trips.**

Programmer: if travel date has passed:

To complete the study please tell us about your household's travel on <start date>**.**

Please click on a person to begin reporting their travel for <start date>

Programmer: Show list of participating persons in HH

4.3 [RMOVE_LANDING]

if using rMove diary

Programmer: Respondent sees Dashboard screen, show below text on the dashboard until their travel period begins.

Your travel period is <START DATE> - <END DATE>.

Before <START DATE>, rMove will begin recording the trips you make and will send you notifications when trip surveys are ready. Each day, you'll also be asked to complete a daily survey about your household's general travel habits.

Note: Collecting your trips will use more battery than usual. Please try to keep your phone charged for the best trip collection.

5.0 DAILY SURVEY: CORE QUESTIONS

Programmer: Daily survey core questions are asked on each travel day for participating adults age 18+

5.1 [BEGIN_DAY]

if rMove

On <traveldate> **, where did** <you/name> **BEGIN** <your/their> **day?**

This question helps to confirm that rMove correctly collected your travel.

- o   Home
- o   Someone else's home
- o   Work if employment = full/part/self/volunteer
- o   Other home (e.g., partner, second home)
- o   Temporary lodging (e.g., hotel, vacation rental)
- o   Traveling (e.g., red-eye flight)
- o   Other

5.2 [END_DAY]

if rMove

On <traveldate> **, where did** <you/name> **END** <your/their> **day?**

This question helps to confirm that rMove correctly collected your travel.

- o   Home
- o   Someone else's home
- o   Work if employment = full/part/self/volunteer
- o   Other home (e.g., partner, second home)
- o   Temporary lodging (e.g., hotel, vacation rental)
- o   Traveling (e.g., red-eye flight)
- o   Other

5.3 [NO_TRAVEL]

if made zero trips

Why didn't <you/name> **go anywhere on** <traveldate>**?**

Select all that apply.

- ☐   <I/Name> did make trips on <traveldate> if rMove
- ☐   Not scheduled to work/took day off if employment = full/part/furlough/self/volunteer
- ☐   Worked at home for pay (e.g., telework) if employment = full/part/self/volunteer
- ☐   Hung out around home
- ☐   Weather conditions (e.g., snowstorm)
- ☐   Sick or quarantining (self or others)
- ☐   Waited for visitor/delivery (e.g., plumber)
- ☐   Kids did online/remote/home school hide if nobody <18 in HH
- ☐   Scheduled school closure (e.g., holiday) hide if nobody <18 in HH
- ☐   No available transportation (e.g., no car, no bus)
- ☐   Other reason

5.4 [TELECOMMUTE_TIME]

if employment = full/part/self/volunteer

How much time did <you/name> **spend working at home or teleworking (from anywhere) for pay on** <traveldate>**?**

Please estimate for all time teleworked (both during & outside regular business hours).

Programmer: Selection is in 15-minute increments from 0 up to 10+ hours

5.5 [SHOP_ONLINE]

We want to know how shopping impacts travel. On <traveldate> **, did** <you/name> **buy anything online?**

- o Yes
- o No

5.6 [DELIVERY]

if rMove or (rMove for Web and person 1)

We want to know how delivery and household services contribute to travel.

On <traveldate> **,which of the following occurred?**

Select all that apply.

- ☐ Received packages at home (e.g., USPS, FedEx, UPS, Amazon)
- ☐ Received personal packages at work if employment = full/part/self/volunteer and job_type = "only one work location" or "teleworks some days and travels to a work location some days"
- ☐ Received packages at another location (e.g., Amazon locker, package pick-up point)
- ☐ Take-out/prepared food delivered to home (e.g., Uber Eats, Grubhub)
- ☐ Groceries delivered to home
- ☐ Someone came to do work at home (e.g., babysitter, housecleaning, lawn care)
- ☐ Other item delivered to home (e.g., appliance, furniture)
- ☐ None of the above

5.7 [EV_CHARGE]

Logic: if household owns an electric vehicle; if rMove or (web survey and person 1)

On <traveldate> **, did you or anyone in your household charge your electric vehicle(s) at home?**

Programmer: Show list of all EVs

- o Yes
- o No

   o   Don't know

5.8 [SCHOOL_DAILY]

Programmer: Ask with dropdown if household members attend in-person school or daycare at least some of the time.

On <traveldate>, did each student travel to school?

If child attends daycare: If your child attended daycare, please select "yes."

Programmer: Show list of all students.

   o   Yes

   o   No

6.0 DAILY SURVEY: DAY 1

Employment & school related questions
Programmer: Asked of participating adults age 18+

6.1 [EMPLOYMENT_SCHOOL]

if employment = full/part/self/volunteer/furlough OR is student

The following questions about work and school will help us understand your transportation needs.

Programmer: *If rMove:* Please click 'Next' to complete your daily survey.

6.2 [WORK_FREQ]

Logic: if employment = full/part/self/volunteer
How many days <do you/ does name> **typically work each week?**

   o   6-7 days a week

   o   5 days a week

   o   4 days a week

   o   3 days a week

   o   2 days a week

   o   1 day a week

6.3 [COMMUTE_FREQ]

if employment = full/part/self/volunteer and job_type IS NOT "work only from home" or "drive/bike/travel for work"

Currently, how often <do you/does name> **typically commute to** <your/their> **workplace?**

- o 6-7 days a week
- o 5 days a week
- o 4 days a week
- o 3 days a week
- o 2 days a week
- o 1 day a week
- o 1-3 days a month
- o Less than monthly
- o Never

6.4 [TELEWORK_FREQ]

If commute_freq is not 6-7 days a week

How many days <do you/does name> **work from home or telework (instead of going to work that day)?**

- o 6-7 days a week
- o 5 days a week
- o 4 days a week
- o 3 days a week
- o 2 days a week
- o 1 day a week
- o 1-3 days a month
- o Less than monthly
- o Never

6.5 [WORK_MODE]

if commute_freq is not "never"

Currently, how <do you/does name> **typically travel to** <your/their> **primary workplace?**

Please select the method of transportation used for most of the distance.

- o   Walk (or jog/wheelchair)
- o   Household vehicle (or motorcycle)
- o   Other vehicle (e.g., friend's car, rental, work car)
- o   Uber/Lyft, taxi, or car service
- o   Bus, shuttle, or vanpool
- o   Rail (e.g., light rail, commuter rail)
- o   Bicycle or e-bicycle (personal or bikeshare)
- o   Other motorized or non-motorized device (e.g., scooter, moped, skateboard)
- o   Other

6.6 [WORK_VEHICLE_PARK]

Logic: if work_mode = HH vehicle

Currently, where ‹do you/does name› park ‹your/their› vehicle at work?

- o   Parking lot/garage
- o   On-street parking
- o   Park & Ride lot
- o   Don't park (e.g., get dropped off)
- o   Other

6.7 [WORK_VEHICLE_PARK_PAY]

Logic: if work_mode = HH vehicle and parks at work (does not select "don't park" for work_vehicle_park)

Currently, how ‹do you/does name› pay for parking at ‹your/their› primary workplace?

- o   Parking is always free at/near work, at park & ride, etc.
- o   Employer pays ALL parking costs (for me)
- o   Employer offers discounted parking (I pay some)
- o   <I pay/Name pays> all parking costs (employer pays none)
- o   Don't know

6.8 [REMOTE_WORK_ABILITY]

Logic: if selects "none" for telework_work_freq and job_type IS NOT "work only from home"

Can <your/name's> **primary job responsibilities be performed by teleworking (regardless of whether teleworking is allowed by the employer)?**

- o Yes
- o No
- o Don't know

6.9 [COMMUTE_SUBSIDY]

If employed full/part/furloughed/volunteer

Which of the following commute benefits does <your/name's> **employer currently provide?**

Select all that apply.

- ☐ Free (fully subsidized) transit passes or fares
- ☐ Discounted (partially subsidized) transit passes or fares
- ☐ Free (fully subsidized) parking at work
- ☐ Discounted (partially subsidized) parking at work
- ☐ Cash or incentives for carpooling, walking, or biking to work
- ☐ Free/discount vanpool
- ☐ Free/discount Uber, Lyft, or other smartphone-app ride service
- ☐ Free/discount carshare membership/use (e.g., ZipCar)
- ☐ Free/discount shuttle service
- ☐ Free/discount bikeshare membership
- ☐ Free/discount bicycle tune-up/maintenance
- ☐ Ability to work from home *if remote_work_ability <> no*
- ☐ Stipend for working at home (e.g., internet, equipment, mobile phones)
- ☐ Don't know *Programmers: Clears set*
- ☐ None of the above *Programmers: Clears set*

6.10 [COMMUTE_SUBSIDY_USE]

if person's employer offers any commute benefits

Which of the following commute benefits <do you/does name> **currently use?**

Select all that apply.

- ☐ Free (fully subsidized) transit passes or fares *if commute_subsidy = Free (fully subsidized) transit passes or fares*

☐ Discounted (partially subsidized) transit passes or fares if commute_subsidy = Discounted (partially subsidized) transit passes or fares

☐ Free (fully subsidized) parking at work if commute_subsidy = Free (fully subsidized) parking at work

☐ Discounted (partially subsidized) parking at work if commute_subsidy = Discounted (partially subsidized) parking at work

☐ Cash or incentives for carpooling, walking, or biking to work if commute_subsidy = Cash or incentives for carpooling, walking, or biking to work

☐ Free/discount vanpool if commute_subsidy = Free/discount vanpool

☐ Free/discount Uber, Lyft, or other smartphone-app ride service if commute_subsidy = Free/discount Uber, Lyft, or other smartphone-app ride service

☐ Free/discount carshare membership/use (e.g., ZipCar) if commute_subsidy = Free/discount carshare membership/use

☐ Free/discount shuttle service if commute_subsidy = Free/discount shuttle service

☐ Free/discount bikeshare membership if commute_subsidy = Free or discount bikeshare membership

☐ Free/discount bicycle tune-up/maintenance if commute_subsidy = Free or discount bicycle tune-up/maintenance

☐ Ability to work from home *if commute_subsidy = ability to work from home*

☐ Stipend for working at home (e.g., internet, equipment) if commute_subsidy = stipend for working at home

☐ None of the above *Programmers: Clears set*

6.11 [INDUSTRY]

Logic: Show if person is employed full/part/self/volunteer

Which of the following best describes the type of industry <you work/name works> **in currently?**

Please answer for your primary job if you have multiple jobs.

- Financial services

- Real estate

- Professional and business services (e.g., consulting, legal, marketing)

- Personal services (e.g., hair styling, personal assistance, pet sitting)

- Hospitality (e.g., restaurant, accommodation)

- Natural resources (e.g., forestry, fishery, energy)

- Education (public or private)

- Childcare (e.g., nanny, babysitter)

- Health care

- Sports and fitness

- Social assistance

- Arts and entertainment

- Retail

- Manufacturing (e.g., aerospace & defense, electrical, machinery)

- Transportation and utilities

- Construction or landscaping

- Government

- Military

- Technology and telecommunications

- Media

- Other, please specify: Ask follow-up if selected

6.12 [INDUSTRY_OTHER]

If industry = other

You selected 'Other.' Please tell us more.

Programmer: Open-ended text box

6.13 [SCHOOL_FREQ]

if adult student and has reported school location

Currently, how often <do you/does name> **travel to school?**
  o 6-7 days a week
  o 5 days a week
  o 4 days a week
  o 3 days a week
  o 2 days a week
  o 1 day a week
  o 1-3 days a month

o Less than monthly

o Never

6.14 [REMOTE_CLASS_FREQ]

if adult student and school_freq <> never

Currently, how often <do you/does name> **attend classes online from a location that is NOT school (e.g., home, library, coffee shop)?**

o 6-7 days a week

o 5 days a week

o 4 days a week

o 3 days a week

o 2 days a week

o 1 day a week

o 1-3 days a month

o Less than monthly

o Never

6.15 [SCHOOL_MODE]

if adult student *and school_freq <> never*

How <do you/does name> **typically travel to and from school?**

Please select the method of transportation used for most of the distance.

Programmer: Match to trip survey mode list.

o School bus if school_type is high school

o Walk (or jog/wheelchair)

o Household vehicle (or motorcycle)

o Other vehicle (e.g., friend's car, rental, carshare, work car)

o Uber/Lyft, taxi, or car service

o Bus, shuttle, or vanpool

o Rail (e.g., train, subway)

o Bicycle or e-bicycle

o Micromobility (e.g., scooter, moped, skateboard)

o Other

7.0 DAILY SURVEY: DAY 2

Typical Travel
Programmer: Asked of participating adults age 18+

7.1 [TYPICAL_TRAVEL]

The following questions will help us understand the travel options you use.

Programmer: If rMove: Please click 'Next' to complete your daily survey.

7.2 [TRANSIT_FREQ]

How often <**do you/does name**> **use transit (e.g., bus, train)?**

Please answer based on what you do currently.

- o 6-7 days a week
- o 5 days a week
- o 4 days a week
- o 2-3 days a week
- o 1 day a week
- o 1-3 days a month
- o Less than monthly
- o Never

7.3 [TRANSIT_MORE]

If rMove or rMove for Web and person 1

Which of the following would encourage your household to use transit (e.g., bus, rail) instead of driving to your frequent trip destinations?

Select all that apply.

- ☐ Lower cost of transit or free transit pass
- ☐ More frequent transit service
- ☐ Faster transit service
- ☐ Transit service provided during different times of the day/week
- ☐ Transit stops closer to my home/work

- ☐ Higher gas or parking prices
- ☐ User-friendly transit mobile app
- ☐ Other, specify:
- ☐ None of the above *clears set*

7.4 [TRANSIT_MORE_OTHER]

if transit_more = "Other"

You selected 'Other.' Please tell us more.

Programmer: Text box entry

7.5 [PARTICIPATE]

<**Are you/Is name**> **willing to participate in future transportation surveys (like this one)?**

- o Yes
- o No

8.0 DAILY SURVEY: DAY 3

Vehicle-related questions
Programmer: Asked of participating adults age 18+

8.1 [VEHICLE_BEHAVIOR]

The following question will help us understand your household's driving habits.

Programmer: if rMove Please click 'Next' to complete your daily survey.

8.2 [VEHICLE]

if household has 1+ vehicles and person drives

What vehicle <**do you/does name**> **drive the most?**

- o <HHvehicle1>
- o <HHvehicle2>
- o …
- o <HHvehicle10>

- o A carshare vehicle (e.g., ZipCar)
- o Other vehicle

9.0 DAILY SURVEY: DAY 4

Detailed demographic questions
Programmer: Asked of participating adults age 18+

9.1 [DETAILED_DEMOGRAPHICS]

The following questions will help us understand how closely the study results match the overall region and how travel options affect people differently.

Programmers: if rMove Please click 'Next' to complete your daily survey.

9.2 [RESIDENCE_MONTHS]

if rMove or (rMove for Web and person 1)

What months do you typically live at the residence where we sent your invitation to participate in this study?

Programmer: Show if ABS segment: If we mailed your study invitation to a PO Box, please answer for your residence that is closest to the PO Box where you collect your mail.

Programmer: Show if university or supplemental segment If you did not receive a mailed invitation, please answer for your current home location in Utah.

Please select all that apply.

- o All 12 months *Programmer: clear set*
- o January
- o February
- o March
- o April
- o May
- o June
- o July
- o August
- o September

- October

- November

- December

9.3 [RESIDENCE_DUR]

if rMove or (rMove for Web and person 1)

How long have you lived at the residence where we sent your invitation to participate in this study?

If university or supplemental segment If you did not receive a mailed invitation, please answer for your current home location in Utah.

- Less than 1 year

- 1-5 years

- 6-10 years

- 11-15 years

- 16-20 years

- More than 20 years

9.4 [RESIDENCE_TYPE]

if rMove or (rMove for Web and person 1)

What type of place is your current residence?

- Single-family house (detached house)

- Single-family house attached to one or more houses (rowhouse or townhouse)

- Building with 2-4 units (duplexes, triplexes, quads, not age-restricted)

- Building with 5-49 apartments/condos (not age-restricted)

- Building with 50 or more apartments/condos (not age-restricted)

- Senior or age-restricted apartments/condos

- Manufactured home/mobile home/trailer

- Dorm, group quarters, or institutional housing

- Other (e.g., boat, RV, van)

9.5 [RESIDENCE_RENT_OWN]

if rMove or (rMove for Web and person 1) AND person 1 student housing <> 'on campus'

Do you own or rent your current residence?

- o   Own home or paying a mortgage

- o   Rent

- o   Housing provided by job or military

- o   Provided by family, relative, or friend without payment or rent

- o   Other

- o   Prefer not to answer

9.6 [SEASONAL_RES]

if rMove or (rMove for Web and person 1)

Do you own a secondary or vacation home?

Programmer: if has reported second home location: Please exclude any home locations already reported (e.g., current residence, another parent or grandparent's house, partner or spouse's home).

- o   Yes, I own a secondary or vacation home and am currently staying there.

- o   Yes, I own a secondary or vacation home and am <u>not</u> currently staying there.

- o   No, I don't own a secondary or vacation home anywhere.

9.7 [SEASONAL_RES_LOC]

Show if seasonal_res = yes

Where is your secondary or vacation home located?

Programmer: Geocoder centered over current lat/lon

9.8 [INCOME_FOLLOWUP]

if "prefer not to answer" was selected for income in the pre-survey. If rMove or (rMove for Web and person 1).

As we conduct this survey in your region, we want to understand if all types of people are represented.

From these general categories, what was your household's total annual income last year?

Programmer: if household has any non-related household members: Please exclude income from members of your household who are not related to you (e.g., roommates, household help).

- o   Under $25,000
- o $25,000-$49,999
- o $50,000-$74,999
- o $75,000-$99,999
- o $100,000-$199,999
- o $200,000 or more
- o   Prefer not to answer

9.9 [DISABILITY]

<Do you/Does Name> **have a disability or illness that affects** <your/their> **ability to travel?**

- o   Yes
- o   No
- o   Prefer not to answer

9.10 [BARRIERS]

Which of the following, if any, prevented <you /Name > **from making a trip you wanted to make in the past week?**

Select all that apply.

- ☐   No accessible route for users of mobility aides (e.g., wheelchair, walker)
- ☐   No available working vehicle
- ☐   No transit (e.g., bus, train) available to get to destination
- ☐   No safe walking or biking route
- ☐   Cost of vehicle trip was too high
- ☐   Cost of transit (e.g., bus, train) was too high
- ☐   Travel time was too long
- ☐   Weather conditions prevented travel
- ☐   Other
- ☐   I was able to make all the trips I wanted in the past 7 days *Programmers: Clears set*
- ☐   Prefer not to answer *Programmers: Clears set*

9.11 [EDUCATION]

What is the highest level of education <you have/Name has> **completed?**

- o   Less than high school
- o   High school graduate/GED
- o   Some college
- o   Vocational/technical training
- o   Associate degree
- o   Bachelor's degree
- o   Graduate/post-graduate degree
- o   Prefer not to answer

9.12 [ETHNICITY]

What is <your/Name's> **ethnicity?**

Select all that apply.

Programmer: Do not ask of member 1 (was asked of member 1 in the signup survey).

- ☐   Not of Hispanic, Latino, or Spanish origin Programmers: Clears set
- ☐   Mexican, Mexican American, Chicano
- ☐   Puerto Rican
- ☐   Cuban
- ☐   Another Hispanic, Latino, or Spanish origin
- ☐   Prefer not to answer Programmers: Clears set

9.13 [ETHNICITY_OTHER]

if responded "Other" ethnicity

You selected 'another Hispanic, Latino, or Spanish origin.' Please tell us more.

Programmer: Text box entry

9.14 [RACE]

What is <your/Name's> **race?**

Select all that apply.

Programmer: Do not ask of member 1 (was asked of member 1 in the signup survey).

- ☐ African American or Black
- ☐ American Indian or Alaska Native
- ☐ Asian
- ☐ Native Hawaiian or other Pacific Islander
- ☐ White
- ☐ Other race
- ☐ Prefer not to answer *Programmers: Clears set*

9.15 [RACE_OTHER]

if responded "Other" race

You selected 'other race.' Please tell us more.

Programmer: Text box entry

10.0 DAILY SURVEY: DAY 5

Bike questions
Programmer: Asked of participating adults age 18+

10.1 [BICYCLE_USE]

The following questions will help us understand the travel options you use.

Programmers: if rMove: Please click 'Next' to complete your daily survey.

10.2 [NUM_BICYCLES]

if rMove or (rMove for Web and person 1)

How many members of your household have one or more working bicycles?

- o 0 (no one / no working bicycles in household)
- o 1 member
- o 2 members *show if num_people > = 1*
- o 3 members *show if num_people > = 2*
- o 4 members *show if num_people > = 3*

- o   5 members *show if num_people > = 4*
- o   6 members *show if num_people > = 5*
- o   7 members *show if num_people > = 6*
- o   8 members *show if num_people > = 7*
- o   9 members *show if num_people > = 8*
- o   10 members *show if num_people > = 9*
- o   11 members *show if num_people > = 10*
- o   12 members *show if num_people > = 11*

10.3 [BIKE_MORE]

If rMove or rMove for Web and person 1

Which of the following would encourage your household to bike instead of drive to your frequent trip destinations?

Select all that apply.

- ☐   Safer riding conditions for bicyclists (e.g., bike paths separated from motor vehicles)
- ☐   Shorter distance between home and work
- ☐   Better knowledge of the best bike route to work
- ☐   Amenities like showers and secure storage at work
- ☐   More attractive or scenic routes
- ☐   Lower cost electric bikes or similar equipment (e.g., electric scooters)
- ☐   Expanded bike share system
- ☐   Electric bike share system
- ☐   Other
- ☐   None of the above *clears set*

10.4 [BIKE_MORE_OTHER]

if bike_more = "Other"

You selected 'Other.' Please tell us more.

Programmer: Text box entry

11.0 DAILY SURVEY: DAY 6

Home questions
Programmer: Asked of participating adults age 18+

11.1 [HOME_ATTRIBUTES]

The following questions will help us understand how your home location and amenities impacts travel.

Programmers: if rMove: Please click 'Next' to complete your daily survey.

11.2 [BROADBAND]

if rMove or (rMove for Web and person 1)

Which of the following best describes your current residence's <u>primary</u> internet connection provider?

- o Cable
- o Fiber optic
- o DSL from landline phone company
- o Mobile phone provider (e.g., LTE, 4G, 5G)
- o Fixed wireless provider (e.g., point-to-point antenna)
- o Other
- o Internet service is not available at my current residence location
- o Internet service is available, but my household chooses not to subscribe
- o Prefer not to answer
- o Don't know

12.0 DAILY SURVEY: DAY 7

Asked of related adults age 18+

12.1 [FEEDBACK]

if rMove

Thank you for participating! Please provide any feedback you have about the survey experience by clicking 'More' on your dashboard and selecting 'Give us feedback.'

12.2 [FEEDBACK_WEB]

if rMove for Web

Thank you for participating! Please provide any feedback you have about the survey experience below.

Programmer: Optional text entry box.

13.0 DAILY SURVEY COMPLETE SCREEN

13.1 [DAY_END]

Show if rMove
Programmers: if made trips on travel day or confirmed they didn't make trips:

Thank you. rMove's goal is to show **all** trips made.

Did rMove miss a trip? To add trips, return to your travel roster for this day and click the + button in the bottom right of the screen.

Press 'Next' to finish this survey.

Programmers: if indicated they traveled in the no_travel question, but currently don't have trips in their roster:
You indicated that you made trips on <travel_date>. Press 'Next' to add your trips for this day.

14.0 RMOVE FOR WEB DIARY

14.1 [WEB_PROXY]

To begin, who is completing this survey for <name>**?**

Programmer: List of all participating persons age 18+ in household

14.2 [BEGIN_DAY]

14.3 [END_DAY]

Thanks. Now, let's start building <name's> travel day.

The travel day began at 3:00 a.m. on <traveldate> and ended at 3:00 a.m. on <traveldate + 1>.

Where was <name> **when the travel day BEGAN and ENDED?**

- o   Home (<address>)
- o   Work (<address>) if employment = full/part/self/volunteer
- o   Someone else's home
- o   <Your/Their> other home (e.g., other parent, partner, second home) if has second home
- o   Temporary lodging (e.g., hotel, vacation rental, campground)
- o   Traveling at 3AM (e.g., red-eye flight) if selected: popup "Since <you were/name was> traveling, please answer with the last place <you /name > stopped <BEFORE/AFTER> 3:00 AM (even if it was a short stop such as to get gas)."
- o   Other

14.4 [STOP_ROSTER]

Please list, in order, all the stops <name> **made on** <traveldate>**.**

Click the + to add each stop.

Tip: Please just list the names of your stops for now. We will ask for locations/addresses later.

14.5 [STOP_ROSTER_CONFIRM]

All stops listed?

Have you added all the stops from the travel day?

Frequently missed stops include:

- A short stop in the middle of other activities (e.g., quick trip for lunch)
- A brief stop on the way to somewhere else (e.g., gas, ATM, drive-thru restaurant)
- Dropping someone off on the way to somewhere else (e.g., spouse at park-and-ride lot, child at a friend's house)

- o   No, add more
- o   Yes, all done

14.6 [TIMES]

if web survey

When was <name> **at each place?**

Please enter the arrival and departure time for each stop.

Programmer: Clock entry from 3AM-3AM, in 1-minute increments. Subsequent times must not be earlier than previous times.

14.7 [TRIP_DETAILS]

if web survey

Thanks for telling us about \<name's> **stops. Now we'd like to ask about** \<name's> **travel between those stops.**

Please click on each trip below to provide details.

15.0 TRIP SURVEY

15.1 [STOP_DEFINE]

Programmer: Link to this page when information hyperlink about stops is clicked.

What is a stop?

A stop is any time you traveled more than 100 feet and conducted an activity at a different address. Examples include:

- Arriving at school or work
- Getting a coffee on the way to work
- Dropping someone off or picking someone up
- Using a drive-thru

What is NOT a stop?

- Going to another place inside the same building (like a different store within the same mall or a different doctor's office in the same hospital)
- Going to the end of the driveway to get the mail
- Walking around your yard/property

What if I changed vehicles?

If you changed vehicles of one type to another, this IS A STOP (e.g., driving a car to a bus stop and switching from a car to a bus).

What if I pick up someone or drop someone off?

If you pickup or drop-off a member of your group, you should record this as a stop.

Examples:

- Dropping or picking up a child from school or daycare
- Picking up a spouse from work

● Dropping off children at a game or afterschool program

15.2 [STOP_DESTINATION]

if rMove

Did you stop here?

Programmer: Add information hyperlink: <u>What's a stop?</u>

- o   Yes, I stopped
- o   No, I was still traveling
- o   No, I didn't make this trip at all

15.3 [STOP_DETECTED]

if rMove

We found some stops you may have made along the way.

Programmer: Add information hyperlink: <u>What's a stop?</u>

Please choose which stops to keep.

Programmer: List of potential stops based on speed

15.4 [STOP_ADDED]

if rMove

Do you need to add any more stops along the way?

Programmer: Add information hyperlink: <u>What's a stop?</u>

Programmer: Counter input 0-9

15.5 [STOP_LOCATION]

if stop_added > 0

Where did you stop?

Use the arrows and slider to move the marker. When the marker is at the point closest to the stop you want to add, click 'Next.'

Programmer: Trip trace slider

15.6 [CONFIRM]

if trip details are prepopulated or proxy trip survey

We guessed at the details of your trip. Please select 'Confirm all' or 'Edit details' at the bottom of the list, then click 'Next'

- o Confirm all
- o Edit details

15.7 [MODE]

How did <you/Name> **travel on this trip?**

If <you/Name> **used multiple modes or changed modes during your trip, please select all modes used.**

- ☐ Walk (or jog/wheelchair)
- ☐ Household vehicle (or motorcycle)
- ☐ Other vehicle (e.g., friend's car, rental, carshare, work car)
- ☐ Uber/Lyft, taxi, or car service
- ☐ Bus, shuttle, or vanpool
- ☐ Rail (e.g., light rail, commuter rail)
- ☐ Bicycle or e-bicycle (personal or bikeshare)
- ☐ Other motorized or non-motorized device (e.g., scooter, moped, skateboard)
- ☐ Other

15.8 [TRANSIT_ACCESS]

if mode = bus or rail

How did <you/Name> **get to the transit stop?**

- o Transferred from another bus
- o Transferred from other transit (e.g., rail)
- o Walked (or jogged/wheelchair)
- o Drove and parked my own household's vehicle (or motorcycle)
- o Drove and parked another vehicle (or motorcycle)
- o Got dropped off in my own household's vehicle (or motorcycle)
- o Got dropped off in another vehicle (or motorcycle)
- o Uber/Lyft, taxi, or car service
- o Bicycle

o Micromobility (e.g., scooter, moped, skateboard)
o Other

15.9 [TRANSIT_EGRESS]

if mode = bus or rail

How did <you/Name> **exit the transit stop?**
o Transferred to another bus
o Transferred to other transit (e.g., rail)
o Walked (or jogged/wheelchair)
o Drove my own household's vehicle (or motorcycle)
o Drove another vehicle (or motorcycle)
o Got picked up in my own household's vehicle (or motorcycle)
o Got picked up in another vehicle (or motorcycle)
o Uber/Lyft, taxi, or car service
o Bicycle
o Micromobility (e.g., scooter, moped, skateboard)
o Other

15.10 [MODE_OWN]

if mode or transit_access or transit_egress = HH vehicle

What vehicle did <you/Name> **use on this trip?**
Select all that apply.
☐ <HHvehicle1>
☐ <HHvehicle2>
☐ …
☐ Other vehicle in household
☐ Other motorcycle in household

15.11 [MODE_AUTO]

if mode or transit_access or transit_egress = other vehicle

What vehicle did <you/Name> **use on this trip?**

Select all that apply.

- ☐ Car from work if employed full/part/self/volunteer
- ☐ Friend/relative/colleague's car
- ☐ Rental car
- ☐ Carpool match (e.g., Waze Carpool)
- ☐ Carshare service (e.g., Zipcar)
- ☐ Peer-to-peer car rental (e.g., Turo)
- ☐ Other vehicle (not my household's)
- ☐ Other motorcycle (not my household's)

15.12 [VEHICLE_PARK_LOC]

if mode or transit_access or transit_egress = HH vehicle or other vehicle

Programmer: Do not ask for proxy trip survey.

Where did <you/Name> **park?**

- o Home driveway/garage (yours or someone else's)
- o Free on-street parking
- o Free public parking lot/garage
- o Paid on-street parking
- o Paid/pass parking lot/garage
- o Park & Ride lot
- o Didn't park (e.g., waited, drop-off, drive-thru, gas)
- o Other

15.13 [VEHICLE_PARK_TYPE]

if vehicle_park_loc = paid lot/garage, paid on-street

Programmer: Do not ask for proxy trip survey.

How did <you/Name> **pay to park here?**

- o Used an employer-provided parking pass
- o Used other parking pass
- o Paid via cash, credit card, or ticket(s)
- o Parking reservation service (e.g., SpotHero, ParkMobile)
- o Other

15.14 [VEHICLE_PARK_PAY]

if vehicle_park_type = Paid via cash, credit card, tickets or parking service

Programmer: Do not ask for proxy trip survey.

How much was the total cost for parking?

Round to the nearest dollar.

- o $: *Numeric entry for dollars up to 999*
- o Don't know

15.15 [EV_CHARGE_STATION]

if used household electric vehicle on trip

Programmer: Do not ask for proxy trip survey.

Could <you/Name> charge <your/their> electric vehicle here (e.g., home charging, charging stations)?

- o No
- o Yes, and <I/Name> did NOT charge the vehicle here before <my/their> next trip
- o Yes, and <I/Name> charged the vehicle here before <my/their>next trip
- o Don't know

15.16 [EV_CHARGE_STATION_LEVEL]

if EV charge stations were at destination

Programmer: Do not ask for proxy trip survey.

What level charging stations were here?

Select all that apply.

- ☐ Level 1 (2-5 miles of range per 1 hour of charging)
- ☐ Level 2 (10-20 miles of range per 1 hour of charging)
- ☐ Level 3/DC Fast (60+ miles of range per 1 hour of charging)
- ☐ Don't know

15.17 [EV_CHARGE_STATION_DECISION]

if used EV charge station at destination and destination is not home/work/school location

Programmer: Do not ask for proxy trip survey.

What is <your/Name's> **level of agreement with this statement?**
I decided to stop here because there were electric vehicle charging stations.

- o   Agree
- o   Neutral
- o   Disagree

15.18 [MODE_TAXI]

if mode or transit_access or transit_egress = taxi

What type of taxi or ride service did <you/Name> **use on this trip?**
Select all that apply.

- ☐   Regular taxi (e.g., Yellow Cab)
- ☐   Uber, Lyft, or other smartphone-app ride service
- ☐   Other hired car service (e.g., black car, limo)

15.19 [TNC_TYPE]

if mode_taxi = Uber/Lyft

Programmer: Do not ask for proxy trip survey.

What type of smartphone-app ride service did <you/Name> **use on this trip?**

- o   Pooled (e.g., UberPool, Lyft Shared)
- o   Regular (e.g., UberX, UberXL, Lyft, LyftXL)
- o   Premium (e.g., UberBlack, Lyft Lux)
- o   Don't know

15.20 [TAXI_TYPE]

if mode or transit_access or transit_egress = taxi

Programmer: Do not ask for proxy trip survey.

Who paid for the trip?

- o   <I/Name> paid the fare <myself/themselves> (no reimbursement)
- o   Employer paid (<I am/Name is> reimbursed) if employed full/self/part/volunteer
- o   Split/shared fare with other(s)
- o   Someone else paid 100% (all of fare)
- o   Other

15.21 [TAXI_PAY]

if taxi_type = I paid, employer paid, split/shared

Programmer: Do not ask for proxy trip survey.

How much was the total fare for the ride?

Round to the nearest dollar.

Please include any tip.

- o $: Numeric entry for dollars up to 999
- o   Don't know

15.22 [MODE_BUS]

if mode or transit_access or transit_egress = bus

What bus did <you/Name> **use on this trip?**

Select all that apply.

- ☐   Local bus
- ☐   Express/commuter bus
- ☐   Rapid transit bus (BRT)
- ☐   School bus if age < 18 or adult student
- ☐   University/college shuttle/bus
- ☐   Employer-provided shuttle/bus if employed
- ☐   Other private shuttle/bus (e.g., a hotel's, an airport's)
- ☐   Vanpool
- ☐   Paratransit/Dial-A-Ride
- ☐   Intercity bus (e.g., Greyhound)
- ☐   Other bus

15.23 [MODE_RAIL]

if mode or transit_access or transit_egress = rail

What train/rail did \<you/Name> **use on this trip?**

Select all that apply.

☐ Commuter rail

☐ Light rail

☐ Other rail

15.24 [TRANSIT_TYPE]

if mode = bus (except school bus) or rail

Programmer: Do not ask for proxy trip survey.

How did \<you/Name> **pay the transit fare?**

o Transit app

o Onsite transit ticket

o Prepaid ticket

o Used transit pass (any type)

o Cash, credit card

o Used a transfer from a previous transit trip if accessed transit by another transit

o Free (no cost at all)

o Don't know

15.25 [MODE_BIKE]

if mode or transit_access or transit_egress = bicycle

What bicycle did \<you/Name> **use on this trip?**

Select all that apply.

☐ Standard bicycle (my household's)

☐ Electric bicycle (my household's)

☐ Borrowed bicycle (e.g., a friend's)

☐ Bike-share - standard bicycle

☐ Bike-share - electric bicycle

☐ Other rented bicycle

15.26 [MODE_SCOOTER]

if mode or transit_access or transit_egress = micromobility

What device (e.g., scooter, moped, skateboard) did <you/Name> **use on this trip?**

Select all that apply.

- ☐ Personal regular scooter or moped (not shared)
- ☐ Personal electric scooter or moped (not shared)
- ☐ Electric scooter-share (e.g., Bird, Lime)
- ☐ Moped-share (e.g., Scoot)
- ☐ Skateboard or rollerblade
- ☐ Segway
- ☐ Other device

15.27 [MODE_OTHER]

if mode or transit_access or transit_egress = other

Which of the following did <you/Name> **use on this trip?**

Select all that apply.

- ☐ Airplane/helicopter
- ☐ ATV
- ☐ Snowmobile
- ☐ Other

15.28 [MODE_OTHER_SPECIFY]

if mode_other = other

You selected 'other.' Please tell us more.

Programmer: Text box entry

15.29 [HH_TRAVELERS]

if HH size > 1

Which household members traveled with <you/Name> **on this trip?**

Please include anyone that started the trip with <you/Name> and traveled with <you/Name>.
Select all that apply.

☐   Just me

☐   <hh_member1>

☐   <hh_member2>

☐   …

☐   <hh_member13>

15.30 [NON_HH_TRAVELERS]

Programmer: if HH size > 1:

How many other people (not in your household) were traveling specifically with <you/Name> **for the whole trip?**

Programmer: if HH size = 1:

How many other people were traveling specifically with you for the whole trip?

Programmer: if mode is taxi/ride service or bus :

Please do NOT include taxi/bus drivers or passengers <you don't/Name doesn't> know.

Please do NOT include anyone <you/Name> met at <your/Name's> destination.

o   0

o   1

o   2

o   3

o   4

o   5+

15.31 [VEHICLE_DRIVER]

if mode/transit_access/transit_egress = HH vehicle or other vehicle and (travel party = 2+ except if other travelers are household children under 16)

Programmer: Show for proxy trip survey if proxy drives

<Were you/Was Name> **the driver or passenger?**

o   Driver

o   Passenger

o   Both (switched drivers during trip)

15.32 [CONFIRM_HOME]

if destination within 150m radius of reported home lat/lon

Did this trip end at home?

- o   Yes
- o   No

15.33 [CONFIRM_SECOND_HOME]

if destination within 150m radius of reported second home lat/lon

Did this trip end at a second home?

- o   Yes
- o   No

15.34 [CONFIRM_PRIMARY_WORK]

if destination within 150m of reported work lat/lon

Programmer: if rMove:

Did this trip end at work?

Programmer: if rMove for Web:

Did this trip end at <your work/work for Name> **?**

- o   Yes
- o   No

15.35 [CONFIRM_PRIMARY_SCHOOL]

if destination within 150m of reported school lat/lon

Programmer: if rMove:

Did this trip end at school?

Programmer: if rMove for Web:

Did this trip end at <your school/school for Name> **?**

- o   Yes

o   No

15.36 [CONFIRM_DROPOFF_WORK]

if destination within 150m of other HH member's reported work (primary or secondary) lat/lon

It looks like <you/name> stopped at a household member's work.

What did <you/Name> **do at this stop?**

o   Pick someone up
o   Drop someone off
o   BOTH pick up AND drop off
o   Accompany someone only (e.g., go along for the ride)
o   Other activity at workplace only (e.g., attend meeting, pick-up or drop-off item)
o   Went somewhere other than the workplace

15.37 [CONFIRM_DROPOFF_SCHOOL]

if destination within 150m of other HH member's reported school lat/lon

It looks like <you/name> stopped at a household member's school.

What did <you/Name> **do at the school?**

o   Pick someone up
o   Drop someone off
o   BOTH pick up AND drop off
o   Accompany someone only (e.g., go along for the ride)
o   Other activity at school only (e.g., attend meeting, pick-up or drop-off item)
o   Went somewhere other than the school

15.38 [PURPOSE]

if not confirmed habitual location

Programmer: For all trips except loop trips **Why did** <**you/Name**> **make this stop?**

Programmer: For loop trips only **Why did** <**you/Name**> **make this trip?**

o   Went home
o   Went to work, work-related, volunteer-related if employment = full/part/self/volunteer
o   Attended school/class if student

- o   Dined out, got coffee or take-out
- o   Dropped off, picked up, or accompanied another person
- o   Changed or transferred mode (e.g., waited for bus or exited bus)
- o   Appointment, shopping, or errands (e.g., gas)
- o   Social, leisure, religious, entertainment activity
- o   Exercise or recreation (e.g., gym, jog, bike, walk dog)
- o   Went to another residence (e.g., someone else's home, second home)
- o   Went to temporary lodging (e.g., hotel, vacation rental)
- o   Other reason Programmers: Ask follow-up open-end on other

15.39 [PURPOSE_WORK]

if purpose = work/work-related and destination is not reported work location

Why did <you/Name> **make this stop?**
- o   Went to work-related activity (e.g., meeting, delivery, worksite)
- o   Volunteering
- o   Other work-related Programmers: Ask follow-up open-end on other

15.40 [PURPOSE_SCHOOL]

if purpose = school/class and destination is not reported school location

Why did <you/Name> **make this stop?**
- o   Attend daycare or preschool if school_type = daycare or preschool
- o   Attend K-12 school if school_type = K-12 school
- o   Attend college/university if school_type = college/university or graduate/professional school
- o   Attend vocational education class if school_type = vocational education
- o   Attend other type of class (e.g., cooking class) Programmers: Ask follow-up open-end on other
- o   Attend other education-related activity (e.g., field trip) Programmers: Ask follow-up open-end on other

15.41 [PURPOSE_ERRAND]

if purpose = Appointment/shopping/errands

Why did <you/Name> **make this stop?**

- o Grocery shopping
- o Other routine shopping (e.g., pharmacy)
- o Got gas
- o Medical visit (e.g., doctor, dentist)
- o Errand without appointment (e.g., post office)
- o Errand with appointment (e.g., haircut)
- o Shopping for major item (e.g., furniture, car)
- o Other Programmers: Ask follow-up open-end on other

15.42 [PURPOSE_LEISURE]

if purpose = Social/religious/leisure activity

Why did <you/Name> **make this stop?**

- o Social activity (e.g., visit friends/relatives)
- o Family activity (e.g., watch child's game)
- o Leisure/entertainment/cultural (e.g., cinema, museum, park)
- o Religious/civic/volunteer activity
- o Other Programmers: Ask follow-up open-end on other

15.43 [PURPOSE_DROP]

if purpose = pick-up/drop off

Why did <you/Name> **make this stop?**

- o Pick someone up
- o Drop someone off
- o BOTH pick up AND drop off
- o Accompany someone only (e.g., go along for the ride)
- o Other activity only (e.g., attend meeting, pick-up or drop-off item) Programmers: Ask follow-up open-end on other

15.44 [PURPOSE_OTHER]

if purpose = other on first or second level

Can you tell us more about why <you/Name> **made this stop?**

Programmer: Text box entry

16.0 PROXY SURVEY

if rMove: Shown to adult proxy reporter on random Tu, We, Th of travel period – One survey is created for each related person reported by proxy (each related child under age 18)

if rMove for Web: Shown for related children under age 18

16.1 [PROXY_INTRO]

if child who is not cared for at home or homeschooled

Please answer the following questions based on <Name's> current school or daycare schedule. Click 'Next' to begin.

16.2 [SCHOOL_FREQ]

if child who attends *school or* daycare in person partially or full

Currently, how often does <Name> **travel to school?**

Programmer: If child attends daycare: If your child attends a daycare, please answer for how often they attend currently.

- o 6-7 days a week
- o 5 days a week
- o 4 days a week
- o 3 days a week
- o 2 days a week
- o 1 day a week
- o 1-3 days a month
- o Less than monthly
- o Never

16.3 [REMOTE_CLASS_FREQ]

if child who is not cared for at home or attending daycare

Currently, how often <does name> **attend classes online from a location that is NOT school (e.g., home, parent's work, library, coffee shop)?**

o   6-7 days a week

o   5 days a week

o   4 days a week

o   3 days a week

o   2 days a week

o   1 day a week

o   1-3 days a month

o   Less than monthly

o   Never

16.4 [SCHOOL_MODE]

if child who attends *school or* daycare in person fully or partially

School and daycare schedules affect many people's transportation needs.

How does <Name> **typically travel to/from school or daycare?**

Please select the method of transportation used for most of the distance.

o   School bus

o   Walk (or jog/wheelchair)

o   Household vehicle (or motorcycle)

o   Other vehicle (e.g., friend's car, rental, work car)

o   Uber/Lyft, taxi, or car service

o   Bus, shuttle, or vanpool

o   Rail (e.g., train, subway)

o   Bicycle or e-bicycle

o   Micromobility (e.g., scooter, moped, skateboard)

o   Other

16.5 [BEGIN_DAY]

if rMove

On <traveldate>**, where did** <name> **BEGIN their day?**

o   Home

o   Someone else's home

- o   Work if employment = full/part/self/volunteer
- o   Their other home (e.g., other parent, second home) if has second home
- o   Temporary lodging (e.g., hotel, vacation rental)
- o   Traveling (e.g., red-eye flight)
- o   Other

16.6 [END_DAY]

if rMove

On <traveldate>**, where did** <name> **END their day?**

- o   Home
- o   Someone else's home
- o   Work if employment = full/part/self/volunteer
- o   Their other home (e.g., other parent, second home) if has second home
- o   Temporary lodging (e.g., hotel, vacation rental)
- o   Traveling (e.g., red-eye flight)
- o   Other

16.7 [ATTEND_SCHOOL]

Programmers: Ask if person attends in-person school or daycare at least some of the time AND school was not selected as a purpose on travel day thus far for a trip added to this child's roster (copied trips are not checked).

On <traveldate> **, did** <name> **travel to school?**

Select all that apply.

Programmer: If child attends daycare: If your child attends a daycare, please answer if <name> attended the daycare.

Programmer: First two options are select all that apply.

- ☐   Yes, <Name> traveled to school on <travel date>
- ☐   Yes, <Name> traveled to another location for school (e.g., friend's house, parent's work) on <travel date>
- ☐   No, <Name> did not travel for school on <travel date> *Programmers: Clears set*
- ☐   Don't know *Programmers: Clears set*
- ☐   Prefer not to answer *Programmers: Clears set*

16.8 [ATTEND_SCHOOL_NO]

if did not attend school or daycare on travel day

Why didn't <Name> **attend school on** <travel date> **?**

Select all that apply.

- ☐ <Name> was sick or quarantining
- ☐ <Name> attended class online from home
- ☐ <Name> attended class online from another location (e.g., friend's)
- ☐ School was scheduled to be closed (e.g., vacation, holiday)
- ☐ School was closed or adjusted due to weather event (e.g., snow delay)
- ☐ Other
- ☐ Don't know Programmers: Clears set
- ☐ Prefer not to answer Programmers: Clears set

16.9 [MADE_TRAVEL]

if using rMove and has zero trips for the day (at this point) and did not say they went to school/daycare in attend_school and begin_day = end_day and begin_day <> other.

On <travel date>**, did** <Name> **go anywhere or make any trips?**

- o Yes, <Name> made trips on <travel date>
- o No, <Name> did not go anywhere or make trips on <travel date>
- o Don't know
- o Prefer not to answer

16.10 [NO_TRAVEL]

if using rMove and made_travel is no or don't know OR if using rMove for Web and reported zero trips and did not say they went to school/daycare in attend_school

Why didn't <Name> **go anywhere on** <traveldate>**?**

Select all that apply.

- ☐ <Name> may have made trips, but I don't know when or where
- ☐ Not scheduled to work/took day off if employment = full/part/furlough/self/volunteer
- ☐ Worked at home for pay (e.g., telework, self-employed) if employment = full/part/self/volunteer
- ☐ Hung out around home

- ☐ Weather conditions (e.g., snowstorm)
- ☐ Sick or quarantining (self or others)
- ☐ Waited for visitor/delivery (e.g., plumber)
- ☐ <Name> did online/remote/home school
- ☐ Scheduled school closure (e.g., holiday)
- ☐ No available transportation (e.g., no car, no bus)
- ☐ Other reason

16.11 [PROXY_MADE_TRIPS]

if using rMove and indicated child made trips in made_travel or no_travel

You indicated that <Name> made trips on <travel date>.

Press 'Next' to add any remaining trips for <Name>.

16.12 [PROXY_MADE_SCHOOL_TRIPS]

if using rMove and indicated child made trips in attend_school

You indicated that <Name> traveled to school on <travel date>.
Press click 'Next' to add trips to and from school for <Name>.

17.0 RMOVE FOR WEB CLOSE

if rMove for Web

17.1 [END]

Thank you for your participation! You have completed all your surveys.

if household status is not complete

Next, please complete the survey for the remaining members of your household.

if household status is complete

You may now close this browser window.

Questionnaire comments from Stacey:

- 3.1 – the intro listing all sponsor names – this is a pretty long list, especially if reading on a phone screen. Any thought to customizing this to the agency most relevant to the home geography?
  - o
- 3.2 – incentive. I'm assuming you don't list an amount or value of gift card here as differential incentives will be used?
  - o
- 3.9 – toll transponder. Based on a google search, there may only be one toll road in the state – is this a relevant question?
  - o
- 3.10 – vehicle ownership – I agree with Natalie's question – possibly delete?
  - o
- 3.11 – household size – I agree here as well to move to including you, how many people.
  - o
- 3.15 – age – why not just ask the age instead of listing categories?
  - o
- 3.20 – school type – why the age ranges of 0-15, 5-15, and 5-24 for elem, mid, and high school? (as in these very wide ranges for each school type vs. something closer to reality)?
  - o
- 3.22 second home – given the desire to understand travel of seasonal residents, we should consider separate questions for seasonal residents (here in Utah, but recognize some Utah residents will have a 2nd home elsewhere) vs. locals with more than one "home" from an administrative point of view. I recommend we consider revising this question and have a couple questions re: seasonal homes (where is primary home, how long stay in Utah)
  - o Additional questions from the Seasonal Residence Questions document has been added 9.7 – 9.10
- 3.28 – do we need to know origin (is there value in the additional details over just if Hispanic origin yes/no?)
  - o There is merit to understanding race demographics of the people being surveyed.
  - o I do think they pose a legitimate question regarding ethnicity though – Hispanic/Latino aren't the only ethnicities out there.
- 5.1 – the difference between someone else's home and other home seems arbitrary – have you had any issues with respondents reporting correctly between these categories in other surveys?
  - o
- 6.6 – I don't think there is any subway in the region?
  - o Removed from value example
- 6.11 – does the respondent see this full list again or is it trimmed to match what they report as benefits in 6.10?
  - o The list will be trimmed to match what they report as benfits
- 9.5 and 9.6 – this residence or your current residence?
  - o The questions are intended to ask about their current residence
  - o (I think this whole section needs discussing and rewriting. Understanding seasonal residents are important but there is heavy overlap between second_home and residence_seasonal/months/type/etc. and the newly added second_residence questions)

- 14.1 – stop definitions – do we need to define a transit trip?
  - Natalia Brown has requested definition of transit trip
- Are 14.19 and 14.20 needed?
  -
- 14.40 what about medical trips (doctor, dentist, hospital, etc.)? I know it's a sub category under errand (14.43) but access to medical care is more of a topline issue.
  -
- 14.45 what about taking things (picking up/dropping off things vs. people) - door dash, dropping off package for return, dropping off paperwork, picking up online order delivered to store instead of home, etc.
  - (I think this should be included under purpose_drop)