

ESTIMATING ECONOMIC IMPACTS OF
BORDER WAIT TIMES AT THE SAN DIEGO-
BAJA CALIFORNIA BORDER REGION
FRAMEWORK

TECHNICAL MEMORANDUM #3

CONDUCTED FOR



San Diego's Regional Planning Agency

OCTOBER 2004

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TECHNICAL MEMORANDUM # 3

The purpose of this memo is to document the draft sampling methodology and survey instruments developed by Dr. McLarney of True North Research for the San Diego Association of Government's study: *Estimating the Economic Impacts of Border Wait Times at the San Diego-Baja California Border Region Framework*. Both the sampling methodology and survey instruments were designed in consultation with staff from SANDAG, Caltrans, a panel of stakeholders and subject experts, as well as key members of the HLB Decision Economics consultant team.¹ Please note that both the sampling methodology and the survey instruments are in draft form and have yet to be pre-tested in the field. Once the pre-test is complete, changes may be made to the sampling methodology and/or survey instruments.

For the reader's background, the sampling methodology and survey instruments discussed in this memo will be used to select and collect information from northbound border crossers at the Otay Mesa-Mesa de Otay, San Ysidro-Puerta Mexico, and Tecate-Tecate points of entry. Crossers traveling in personal vehicles and buses, as well as individuals crossing on foot or using non-motorized forms of transportation (e.g., bicycle), represent the universe of individuals for the study. The information collected through the survey will be used to develop an economic model that estimates the impacts of border delays on the economies of the San Diego-northern Baja California region.

SAMPLING METHODOLOGY The sampling design will be, in many respects, the most important stage of the project as it will ultimately determine if the modeling effort will produce unbiased estimates of the economic impact of border wait times. The following paragraphs outline our recommended design, including our rationale for using certain techniques and interview distributions.

Cluster Sampling The most straightforward form of probability sampling -- the form against which others are often compared -- is the single-stage simple random sample (SRS). In a single-stage SRS, all sampling units are assigned an equal probability of being selected and are selected on an individual basis. In random digit dial sampling methods, for example, all possible phone numbers that service a particular area are assigned an equal probability of being selected into the sample.

Although simple and straightforward, an SRS is often not the most economically or logistically feasible way to sample units -- especially when data is to be collected in-person and there are both geographic and time dimensions to the sampling universe. Randomly selecting border crossers on an individual basis, for example, would require almost as many interviewers in a day as there would be individuals to be surveyed -- since the individuals would be distributed across the three points of entry at all hours of operation. An SRS method would also require knowledge of how many border crossers there would be in a given day, how they would be distributed, what mode they would use, and where they would be located -- which is information that is not available during the design stage.

1. Including Dr. Khalid Bekka of HLB Decision Economics and Valdemar Carvajal of Youexport, Inc.

A far more efficient method of sampling border crossers is what is commonly known as cluster sampling.² A cluster sample is a probability sample in which the population is partitioned into primary units, each of which is composed of a collection -- or cluster -- of secondary sampling units. Using cluster sampling, border crossers are not selected at random on an *individual* basis for surveying. Rather, they are chosen as groups -- or clusters -- based on their happening to be at a particular point of entry (POE), on a particular day, and within a particular period of time. The primary sampling units are thus mutually exclusive Date/Time/POE combinations, with individual border crossers representing the secondary sampling units.

Two-stage Design In a single-stage cluster design, data is gathered from all secondary units whenever the associated primary unit is selected. Obviously, this is not possible nor necessary for the present study. The recommendation is to use a two-stage cluster design. Once a primary sampling unit has been selected, individuals crossers will be selected through a procedure approximating a second random selection.

Although the second-stage selection procedure will likely vary somewhat by point of entry to accommodate the different layouts and traffic flows, the concept is to select every n^{th} crosser for interviewing. Functionally, this will involve choosing a starting position to intercept the crosser, selecting the n^{th} crosser that reaches the position, conducting the interview (which may involve walking alongside the individual or vehicle), then returning to the starting position to begin the procedure again. If a selected respondent refuses to participate, the interviewer will attempt to survey the next crosser.³ By following this procedure, crossers will be chosen based on their happening to be at a particular location at a particular time -- which conceptually allows all crossers an equal probability of being included in the study.⁴

Distribution of Crossings The cluster sampling approach can work in the absence of additional information about the volume of border crossings by POE, mode, type of day, or time of day. However, because this information is available, it is possible to refine the sampling methodology at the outset of the study to ensure that the distribution of interviews by POE, mode, type of day, and peak/offpeak periods of the day approximate the estimated northbound volumes in each category.

-
2. Although parameter estimates generated by a cluster sample done for convenience will generally have larger statistical margins of error when compared to simple random sampling using the same sized sample, this potential problem is usually more than offset by the fact that cluster sampling is a more productive sampling method for a given budget -- which means that much larger sample sizes can be obtained using clustering techniques as opposed to simple random sampling. This is certainly true in the present case.
 3. In cases where the number of lanes exceeds the number of interviewers, interviewers will be instructed to complete a certain number of interviews in one lane, then move to the next adjacent lane. By rotating the interviewers in this fashion, all lanes will be covered.
 4. A random sample is defined as all units in the universe having an equal probability of selection. Because one can assume that both the location of crossers in the queue and the exact time at which the selection process begins are determined by factors unrelated to the variables of interest in this study, following the recommended procedure will approximate a pure random sample. We use the word *approximate* because -- like any procedure that is logistically feasible -- this procedure will likely result in small inequities in the probability of being selected as the length of the interview and the speed of the queue (and thus the interval between selections) will vary depending on the respondent and other factors that affect the processing time. However, these factors can also be expected to vary in a random manner and thus are not expected to insert a systematic bias into the selection of sampling units. Moreover, by following this procedure, interviewers will select crossers based on their position in the queue rather than based on factors -- such as gender, appearance, etc. -- that could lead to a systematic bias in the results of the survey.

Table 1 presents the distribution of annual northbound crossings in 2003 by POE and mode for the three points of entry of interest to the study: Otay Mesa, San Ysidro and Tecate. In addition to the overall number of crossings (N), the table displays the percentage of all crossings for the associated POE (% POE), as well as the percentage of all crossings for all three POEs in the study (% ALL 3 POEs).

TABLE 1 2003 ANNUAL CROSSINGS BY POE (NORTHBOUND ONLY)⁵

| Mode | Point of Entry | | | | | | | | | Total |
|--------------------------------|-------------------|---------------|---------------|-------------------|---------------|---------------|------------------|---------------|--------------|-------------------|
| | Otay Mesa | | | San Ysidro | | | Tecate | | | |
| | N | % POE | % All 3 POES | N | % POE | % All 3 POES | N | % POE | % All 3 POES | |
| Passengers - Personal Vehicles | 11,019,106 | 86.2% | 17.02% | 39,180,519 | 80.4% | 60.51% | 2,780,878 | 86.0% | 4.29% | 52,980,505 |
| Passengers - Buses | 303,756 | 2.4% | 0.47% | 1,244,973 | 2.6% | 1.92% | 6,707 | 0.2% | 0.01% | 1,555,436 |
| Pedestrians | 1,467,171 | 11.5% | 2.27% | 8,302,110 | 17.0% | 12.82% | 444,924 | 13.8% | 0.69% | 10,214,205 |
| Total | 12,790,033 | 100.0% | 19.75% | 48,727,602 | 100.0% | 75.25% | 3,232,509 | 100.0% | 4.99% | 64,750,144 |

Given that both the volume and the type of cross-border trips can be expected to vary by the type of day (weekday vs. weekend) as well as the time of day (peak vs. offpeak), it was of interest to incorporate this information into the sampling plan as well. Using data provided by the Department of Homeland Security (DHS) that was collected in July and August 2004 at Otay Mesa, San Ysidro and Tecate POEs, True North was able to estimate the percentage of northbound crossings -- by mode -- that occur on weekdays vs. weekends, as well as the percentage within weekdays that occur during peak and offpeak hours.⁶ Moreover, these estimates were calculated separately for each of the three POEs. Disaggregating the data shown in Table 1 by these percentages results in the distribution shown in Table 2.

TABLE 2 CROSSINGS BY POE, MODE, DAY TYPE AND PEAK/OFFPEAK (NORTHBOUND ONLY)

| Mode | Point of Entry | | | | | | | | | Total | |
|----------|--------------------------------|-------------------|---------------|---------------|-------------------|---------------|---------------|------------------|---------------|--------------|-------------------|
| | Otay Mesa | | | San Ysidro | | | Tecate | | | | |
| | N | % POE | % All Cross | N | % POE | % All Cross | N | % POE | % All Cross | | |
| WD Peak | Passengers - Personal Vehicles | 2,124,234 | 16.6% | 3.28% | 7,186,758 | 14.7% | 11.10% | 517,011 | 16.0% | 0.80% | 9,828,002 |
| | Passengers - Buses | 58,557 | 0.5% | 0.09% | 228,361 | 0.5% | 0.35% | 1,247 | 0.0% | 0.00% | 288,166 |
| | Pedestrians | 314,813 | 2.5% | 0.49% | 1,623,002 | 3.3% | 2.51% | 100,263 | 3.1% | 0.15% | 2,038,078 |
| | Subtotal | 2,497,604 | 19.5% | 3.86% | 9,038,121 | 18.5% | 13.96% | 618,521 | 19.1% | 0.96% | 12,154,246 |
| WD OffPK | Passengers - Personal Vehicles | 5,964,927 | 46.6% | 9.21% | 22,256,969 | 45.7% | 34.37% | 1,451,786 | 44.9% | 2.24% | 29,673,681 |
| | Passengers - Buses | 164,431 | 1.3% | 0.25% | 707,222 | 1.5% | 1.09% | 3,501 | 0.1% | 0.01% | 875,154 |
| | Pedestrians | 775,066 | 6.1% | 1.20% | 4,106,432 | 8.4% | 6.34% | 246,848 | 7.6% | 0.38% | 5,128,346 |
| | Subtotal | 6,904,424 | 54.0% | 10.66% | 27,070,622 | 55.6% | 41.81% | 1,702,135 | 52.7% | 2.63% | 35,677,182 |
| Weekends | Passengers - Personal Vehicles | 2,929,945 | 22.9% | 4.53% | 9,736,793 | 20.0% | 15.04% | 812,081 | 25.1% | 1.25% | 13,478,819 |
| | Passengers - Buses | 80,768 | 0.6% | 0.12% | 309,390 | 0.6% | 0.48% | 1,959 | 0.1% | 0.00% | 392,116 |
| | Pedestrians | 377,292 | 2.9% | 0.58% | 2,572,677 | 5.3% | 3.97% | 97,813 | 3.0% | 0.15% | 3,047,782 |
| | Subtotal | 3,388,005 | 26.5% | 5.23% | 12,618,859 | 25.9% | 19.49% | 911,853 | 28.2% | 1.41% | 16,918,717 |
| | | 12,790,033 | 100.0% | 19.75% | 48,727,602 | 100.0% | 75.25% | 3,232,509 | 100.0% | 4.99% | 64,750,144 |

5. Source: United States Department of Transportation, Bureau of Transportation Statistics based on data from U.S. Customs Service.

6. Peak hours are between 5AM and 9AM, Pacific Standard Time.

Oversampling by POE The distributions shown in Table 2 can be readily applied to a known sample size to derive a sample that is proportional by POE, mode, type of day, and peak/offpeak periods. Table 3 represents a proportional sample assuming 3,000 completed interviews.

TABLE 3 PROPORTIONAL SAMPLE

| Mode | | Point of Entry | | | | | | | | | Total |
|----------|--------------------------------|----------------|---------------|---------------|--------------|----------------|---------------|------------|---------------|--------------|--------------|
| | | Otay Mesa | | | San Ysidro | | | Tecate | | | |
| | | N | % POE | % All Cross | N | % POE | % All Cross | N | % POE | % All Cross | |
| WD Peak | Passengers - Personal Vehicles | 98 | 16.6% | 3.28% | 333 | 14.7% | 11.10% | 24 | 16.0% | 0.80% | 455 |
| | Passengers - Buses | 3 | 0.5% | 0.09% | 11 | 0.5% | 0.35% | 0 | 0.0% | 0.00% | 13 |
| | Pedestrians | 15 | 2.5% | 0.49% | 75 | 3.3% | 2.51% | 5 | 3.1% | 0.15% | 94 |
| | Subtotal | 116 | 19.5% | 3.86% | 419 | 18.5% | 13.96% | 29 | 19.1% | 0.96% | 563 |
| WD OffPK | Passengers - Personal Vehicles | 276 | 46.6% | 9.21% | 1,031 | 45.7% | 34.37% | 67 | 44.9% | 2.24% | 1,375 |
| | Passengers - Buses | 8 | 1.3% | 0.25% | 33 | 1.5% | 1.09% | 0 | 0.1% | 0.01% | 41 |
| | Pedestrians | 36 | 6.1% | 1.20% | 190 | 8.4% | 6.34% | 11 | 7.6% | 0.38% | 238 |
| | Subtotal | 320 | 54.0% | 10.66% | 1,254 | 55.6% | 41.81% | 79 | 52.7% | 2.63% | 1,653 |
| Weekends | Passengers - Personal Vehicles | 136 | 22.9% | 4.53% | 451 | 20.0% | 15.04% | 38 | 25.1% | 1.25% | 624 |
| | Passengers - Buses | 4 | 0.6% | 0.12% | 14 | 0.6% | 0.48% | 0 | 0.1% | 0.00% | 18 |
| | Pedestrians | 17 | 2.9% | 0.58% | 119 | 5.3% | 3.97% | 5 | 3.0% | 0.15% | 141 |
| | Subtotal | 157 | 26.5% | 5.23% | 585 | 25.9% | 19.49% | 42 | 28.2% | 1.41% | 784 |
| | | 593 | 100.0% | 19.75% | 2,258 | 100.00% | 75.25% | 150 | 100.0% | 4.99% | 3,000 |

Recommended Oversample by POE One of the goals of this study is to be able to examine the survey results separately by POE. Because of the small volume of crossings at Tecate, however, a proportional sample would result in a rather small sample size for this POE. With just 150 completed surveys, it would not be possible to estimate the parameters of interest for Tecate with the desired level of reliability. Accordingly, True North recommends the oversampling strategy shown in Table 4. By redistributing several hundred interviews from San Ysidro to Otay Mesa and Tecate, the design will greatly improve the statistical margins of error associated with parameters estimated for the two POEs with smaller volumes, while having only a slight negative impact on the margins of error for San Ysidro estimates. It should be noted that although the recommended design involves oversampling by POE, the distributions remain proportional within POE by mode, type of day, and peak/offpeak.⁷

TABLE 4 RECOMMENDED OVERSAMPLE BY POE

| Mode | | Point of Entry | | | | | | | | | Total |
|----------|--------------------------------|----------------|---------------|---------------|--------------|----------------|---------------|------------|---------------|---------------|--------------|
| | | Otay Mesa | | | San Ysidro | | | Tecate | | | |
| | | N | % POE | % All Ints | N | % POE | % All Ints | N | % POE | % All Ints | |
| WD Peak | Passengers - Personal Vehicles | 100 | 16.6% | 3.32% | 295 | 14.7% | 9.83% | 64 | 16.0% | 2.13% | 459 |
| | Passengers - Buses | 3 | 0.5% | 0.09% | 9 | 0.5% | 0.31% | 0 | 0.0% | 0.01% | 12 |
| | Pedestrians | 15 | 2.5% | 0.49% | 67 | 3.3% | 2.22% | 12 | 3.1% | 0.41% | 94 |
| | Subtotal | 117 | 19.5% | 3.91% | 371 | 18.5% | 12.37% | 77 | 19.1% | 2.55% | 565 |
| WD OffPK | Passengers - Personal Vehicles | 280 | 46.6% | 9.33% | 914 | 45.7% | 30.45% | 180 | 44.9% | 5.99% | 1,373 |
| | Passengers - Buses | 8 | 1.3% | 0.26% | 29 | 1.5% | 0.97% | 0 | 0.1% | 0.01% | 37 |
| | Pedestrians | 36 | 6.1% | 1.21% | 169 | 8.4% | 5.62% | 31 | 7.6% | 1.02% | 235 |
| | Subtotal | 324 | 54.0% | 10.80% | 1,111 | 55.6% | 37.04% | 211 | 52.7% | 7.02% | 1,646 |
| Weekends | Passengers - Personal Vehicles | 137 | 22.9% | 4.58% | 400 | 20.0% | 13.32% | 100 | 25.1% | 3.35% | 638 |
| | Passengers - Buses | 4 | 0.6% | 0.13% | 13 | 0.6% | 0.42% | 0 | 0.1% | 0.01% | 17 |
| | Pedestrians | 18 | 2.9% | 0.59% | 106 | 5.3% | 3.52% | 12 | 3.0% | 0.40% | 135 |
| | Subtotal | 159 | 26.5% | 5.30% | 518 | 25.9% | 17.27% | 113 | 28.2% | 3.76% | 790 |
| | | 600 | 100.0% | 20.00% | 2,000 | 100.00% | 66.67% | 400 | 100.0% | 13.33% | 3,000 |

7. Naturally, the data will need to be weighted prior to analysis to adjust for the oversample by POE. If DHS is able to provide disaggregated northbound border crossing counts by POE, mode, day type and time of day during the data collection period, this information may also be used to weight the final data prior to analysis.

Selection of Primary Units True North combined the information shown in Table 4 with expected productivity rates⁸ to determine how many primary sampling units to select for each POE. The following three figures show the primary sampling units for the first data collection period per POE, separated by type of day and peak/offpeak within weekdays. Primary sampling units marked with an 'X' are the units that were randomly selected for the draft sample plan. Adjustments to this schedule may be necessary based on the results of the pre-test. It should be noted, moreover, that the schedule includes both non-holiday and holiday periods.

FIGURE 1 OTAY MESA -- SELECTED PRIMARY SAMPLING UNITS

| | 9-Nov | 10-Nov | 11-Nov | 12-Nov | 13-Nov | 14-Nov | 15-Nov | 16-Nov | 17-Nov | 18-Nov | 19-Nov | 20-Nov | 21-Nov | 22-Nov | 23-Nov | 24-Nov | 27-Nov | 28-Nov | 29-Nov | 30-Nov | 1-Dec | 2-Dec | 3-Dec | 4-Dec | 5-Dec |
|--------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 500 to 659 | | | | | | | | X | | | | | X | | | | | | | X | | | | | |
| 700 to 859 | | | | | | | | | | | X | | | | | | | | | | X | | | | |
| 900 to 1059 | X | | | | | | | | X | X | | | | | | | | | | | | | | | |
| 1100 to 1259 | | X | | | | | | | | | | | | | | | | | | | | | | | |
| 1300 to 1459 | | | X | | | | | | | | | | | | | X | | | | | | | | | |
| 1500 to 1659 | | | | | | | | | | | | | | | | | X | | | | | | | | |
| 1700 to 1859 | | | | | | | | | | | X | | | | | | | | | | | | | | |
| 1900 to 2159 | | | | | | X | | | | | | | | | | | | | | | | | | | |

FIGURE 2 SAN YSIDRO -- SELECTED PRIMARY SAMPLING UNITS

| | 9-Nov | 10-Nov | 11-Nov | 12-Nov | 13-Nov | 14-Nov | 15-Nov | 16-Nov | 17-Nov | 18-Nov | 19-Nov | 20-Nov | 21-Nov | 22-Nov | 23-Nov | 24-Nov | 27-Nov | 28-Nov | 29-Nov | 30-Nov | 1-Dec | 2-Dec | 3-Dec | 4-Dec | 5-Dec |
|--------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 500 to 659 | | | | X | | | | | X | | | | | | X | X | | | X | | | | | X | |
| 700 to 859 | | X | | | X | | | | | | | | X | | X | | X | | | | X | | | | |
| 900 to 1059 | | | | | | | | X | X | | | | | X | | | X | | | | | | | | |
| 1100 to 1259 | | | | | | X | | | X | | | X | | X | | X | | | | | | | | | |
| 1300 to 1459 | | | X | | | X | | | | | | | | | | X | | | | | X | | | | |
| 1500 to 1659 | | | | X | | | | X | X | X | | | | | | X | | | | | X | X | | | |
| 1700 to 1859 | | | | | | | X | | X | X | | | | | X | | X | | | X | | X | | | |
| 1900 to 2159 | X | | | | | | | | | | | X | | X | | | | | X | | | | | | |

8. The assumed productivity rate is 5 completes per hour, per interviewer. For Otay Mesa and San Ysidro, the assumption is 10 interviewers. For Tecate, we assume 5 interviewers.

FIGURE 3 TECATE -- SELECTED PRIMARY SAMPLING UNITS

| | 9-Nov | 10-Nov | 11-Nov | 12-Nov | 13-Nov | 14-Nov | 15-Nov | 16-Nov | 17-Nov | 18-Nov | 19-Nov | 20-Nov | 21-Nov | 22-Nov | 23-Nov | 24-Nov | 27-Nov | 28-Nov | 29-Nov | 30-Nov | 1-Dec | 2-Dec | 3-Dec | 4-Dec | 5-Dec | |
|--------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--|
| 500 to 659 | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | |
| 700 to 859 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 900 to 1059 | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | |
| 1100 to 1259 | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | |
| 1300 to 1459 | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | |
| 1500 to 1659 | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | |
| 1700 to 1859 | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | |
| 1900 to 2159 | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | |

QUESTIONNAIRES The following pages present the English and Spanish versions of the draft questionnaire that will be used during the pre-test to be conducted during the week of October 25, 2004. The content of the questionnaire was driven by the demands of the economic model as outlined in Technical Memorandum #2. Please note that the questionnaire was constructed to avoid the many possible sources of systematic measurement error and was designed with consideration given to the difficult nature of the interviewing environment. Once finalized, the questionnaire will be reformatted to be more user-friendly in the field. Although not presented in this memo, a slightly modified version of the questionnaire has also been created for individuals who use the SENTRI lanes.

Draft English Questionnaire



SANDAG
 Border Wait Survey **Master Draft 5.1T**
 October 2004

Section 1: Introduction to Study

Hi, my name is _____ and I'm working for SANDAG and Caltrans. We're studying traffic conditions at the border and how they impact the types of trips that people make. We're also interested in characteristics of people who cross the border. I would like to ask you a few questions about your trip today.

If more than one person in the car, say:

For statistical reasons, I need to speak to the person sitting in <identify seat>. When answering my questions, please respond only for yourself.

If the person in the identified seat is a child, ask the nearest adult to respond for the child.

Section 2: Location of Residence

| | | | |
|-----|---|-------------------------------|------------------|
| SC1 | Do you <u>live</u> in Mexico or the United States, or are you visiting from another country? | | |
| | <i>If the person says they are a US resident, ask where they live (where their house is).</i> | | |
| | 1 | Mexico | Go to Section 3A |
| | 2 | United States | Go to Section 3B |
| | 3 | Visiting from another country | Ask SC2 |
| SC2 | Are you <u>returning</u> to the United States from a trip into Mexico? | | |
| | 1 | Yes | Go to Section 3B |
| | 2 | No | Go to Section 3A |

Section 3A: Live in Mexico - Basic Trip Characteristics

Only ask Questions in this and other sub A sections if Mexican Resident Or if SC2=2. Otherwise ask Questions in sub B sections.

| | | | |
|-------------------|---|----|---|
| Q1 | Where did you begin your trip today? <i>If Tijuana or Tecate, ask: What colonia is that in?</i> | | |
| | Record colonia | | |
| | Record City name | | |
| Q2 | Where is your primary destination today? <i>If needed: What City is that in or near?</i> <i>If needed: Is that in San Diego County?</i> | | |
| | Record specific location, if given initially. | | |
| | Record City name. | | |
| San Diego County? | Yes | No | <i>If NOT in San Diego County, Terminate Interview but keep the survey paper</i> |

| | | |
|--|---------------------------------------|---|
| Q3 What is the primary purpose for your trip today? | | |
| 1 | Work or business related | |
| 2 | Shopping or errands | |
| 3 | Visit friends/family | |
| 4 | School | |
| 5 | Recreation, Entertainment or Vacation | |
| 6 | Medical | |
| 7 | Other <i>specify</i> | |
| Q4 Is there a secondary purpose for your trip today? <i>If yes, ask: and what is that?</i> | | |
| 1 | Work or business related | |
| 2 | Shopping or errands | |
| 3 | Visit friends/family | |
| 4 | School | |
| 5 | Recreation, Entertainment or Vacation | |
| 6 | Medical | |
| 7 | Other <i>specify</i> | |
| 8 | No Secondary Purpose | |
| Q5 How long will you be staying in the United States on this trip? | | |
| _____ hours / _____ days | | <i>If less than 1 day, record in hours. Otherwise, record in days</i> |
| Q6 In the past month, how many times did you cross into the United States at this point of entry? <i>If respondent says they are unsure, ask them to estimate.</i> | | |
| | | <i>Record number of times.</i> |

Section 4A: Live in Mexico - Sensitivity

| | | |
|---|--|---|
| Q7 When you started this trip today, how long did you expect to wait in line at the border before crossing into the United States? <i>If respondent says they are unsure, ask them to estimate.</i> | | |
| _____ hours & _____ minutes | | <i>Record hours and minutes to nearest 15 minute interval</i> |

Choose a start time for Question Q8 based on their response to Question Q7. Start with the time that is approximately 30 minutes longer than the time they offered in Q7. Only ask up to 4 times.

| | | | | |
|----------------------|--|------------|-----------|------------------|
| Q8 | If you knew that the wait time in line would be _____, would you have made this trip? <i>If they say not sure, ask them to provide their best guess.</i> | | | |
| | <i>Once a person answers 'no' to a wait time, record 'no' for longer waits and go to next question</i> | | | |
| Read in Order | | Yes | No | No Answer |
| A | 30 minutes | 1 | 2 | 99 |
| B | 1 hour | 1 | 2 | 99 |
| C | 1 hour, 30 minutes | 1 | 2 | 99 |
| D | 2 hours | 1 | 2 | 99 |
| E | 2 hours, 30 minutes | 1 | 2 | 99 |
| F | 3 hours | 1 | 2 | 99 |
| G | 3 hours, 30 minutes | 1 | 2 | 99 |
| H | 4 hours | 1 | 2 | 99 |
| I | 4 hours, 30 minutes | 1 | 2 | 99 |
| J | 5 hours | 1 | 2 | 99 |

| | | | | |
|--|--|--|------------------------|-------------|
| Section 5A: Live in Mexico - Expenditures | | | | |
| Q9 | In total, how much money do you expect to spend in the United States on this trip? <i>If unsure, ask them to estimate.</i> | | | |
| | _____ dollars/ _____ pesos | <i>Record in whole dollars or pesos. If zero, record and skip to next section.</i> | | |
| Q10 | Of the amount you just mentioned, how much do you expect to spend on: _____? | | | |
| | <i>Record in pesos or dollars</i> | | | |
| Read in Order | | Amount in dollars | Amount in pesos | None |
| A | Food | | | 0 |
| B | Shopping, including gas | | | 0 |
| C | Recreation or entertainment | | | 0 |
| D | Lodging/Hotel | | | 0 |

| | | | |
|--|--|-------------------|-----------------|
| Q11 | Imagine that you had decided <u>not</u> to take this trip today because of the long wait time at the border. I'd like to know what you think you would have done with the money you intended to spend today. | | |
| | Would you have: _____? <i>If yes, ask: How much of the money?</i> | | |
| Read in Order | | Amount in dollars | Amount in pesos |
| A | Spent some of the money in Mexico instead? | | 0 |
| B | Spent some of the money in the United States on a future trip? | | 0 |
| C | Saved some of the money? | | 0 |
| <i>Only ask Q12 if respondent indicated they would spend some money in Mexico in Q11</i> | | | |
| Q12 | Let me be more specific. How much of this money would you have spent in Mexico on _____? <i>If respondent says they are unsure, ask them to take their best guess.</i> | | |
| Read in Order | | Amount in dollars | Amount in pesos |
| A | Shopping, including gas | | 0 |
| B | Food | | 0 |
| C | Recreation or entertainment | | 0 |
| D | Lodging/Hotel | | 0 |
| Q13 | Where in Mexico would you have spent most of this money? <i>If needed: What City is that in or near?</i> | | |
| | Record City name or location if not in or near a City. | | |

| | |
|---|---|
| Section 6A: Live in Mexico - Work Trips | |
| <i>Only ask Questions in this section if the person indicated that work or business was a primary or secondary purpose for the trip</i> | |
| Now I'd like to ask you a few questions about the work or business aspects of this trip. | |
| Q14 | What type of work do you do? |
| | Briefly describe work |
| Q15 | How much do you earn at your job every two weeks? |
| | <i>Record in Dollars or Peso. Make sure to record what time frame the amount is for (every two weeks or per hour, per week, per month, per years or some other timeframe)</i> |
| | _____ dollars/ _____ pesos per (two weeks/ other time frame_____) |

| | | | |
|-----------------------------|---------------------------------------|---|--|
| Q16 | | How many hours are you supposed to work today? | |
| ----- hours & ----- minutes | | <i>Record hours and minutes to nearest 15 minute interval</i> | |
| Q17 | | Imagine that you were one hour late to work today because it took longer than expected to cross the border. Would you still work the same number of hours by staying later, or would you work one hour less? | |
| 1 | Work same number of hours/Stay later | | |
| 2 | Work one hour less | | |
| Q18 | | If you had to wait 2 hours at the border <u>every</u> day, would you <u>stop</u> working in the United States? | |
| 1 | Yes | <i>Skip to Q20</i> | |
| 2 | No | <i>Ask Q19</i> | |
| Q19 | | Would you make any changes to your living arrangements or your commute if the border delay were two hours every day? <i>If yes, ask: What changes would you make?</i> | |
| 1 | No Change | <i>Skip to next section</i> | |
| 2 | Switch to a different point of entry | <i>Skip to next section</i> | |
| 2a | Otay Mesa | <i>Skip to next section</i> | |
| 2b | San Ysidro | <i>Skip to next section</i> | |
| 2c | Tecate | <i>Skip to next section</i> | |
| 3 | Switch to a different mode | <i>Skip to next section</i> | |
| 3a | Walk across border | <i>Skip to next section</i> | |
| 3b | Bike | <i>Skip to next section</i> | |
| 3c | Personal Vehicle | <i>Skip to next section</i> | |
| 3d | Bus | <i>Skip to next section</i> | |
| 4 | Use SENTRI Lane | <i>Skip to next section</i> | |
| 5 | Move to United States | <i>Skip to next section</i> | |
| 6 | Stay in United States during workweek | <i>Skip to next section</i> | |
| 7 | Other <i>specify</i> | <i>Skip to next section</i> | |
| Q20 | | Would you find a job in Mexico instead? | |
| 1 | Yes | <i>Ask Q21</i> | |
| 2 | No | <i>Skip to next section</i> | |
| Q21 | | How much do you think you would earn every two weeks if you worked in Mexico instead of the United States? <i>Record in Dollars or Peso. Make sure to record what time frame the amount is for (every two weeks or per hour, per week, per month, per years or some other timeframe)</i> | |
| ----- dollars/ ----- pesos | | per (two weeks/ other time frame-----) | |

| Section 7A: Live in Mexico - Demographics | | | | |
|---|---|--|------------------------|----------------------|
| D1 | In what year were you born? | | | |
| | | <i>Record year in four digits.</i> | | |
| D2 | What is the last grade or level that you completed in school? | | | |
| | 1 | Elementary (8 or fewer years) | | |
| | 2 | Some high school (9 to 11 years) | | |
| | 3 | High school graduate (12 years) | | |
| | 4 | Technical/Vocational school | | |
| | 5 | Some college | | |
| | 6 | College graduate | | |
| | 7 | Some graduate school | | |
| | 8 | Graduate, professional, doctorate degree (DDS, DVM, JD, LLM, MA, MS, MBA, MD, PhD) | | |
| | 99 | Refused | | |
| D3 | This last question is for statistical purposes only. Please say the letter that corresponds with the category that best represents the income your household makes in a typical month before taxes. You can choose either pesos or dollars. | | | |
| | Amount in dollars | | Amount in pesos | |
| | A | \$499 or less | H | \$4,999 or less |
| | B | \$500 to \$999 | I | \$5,000 to \$9,999 |
| | C | \$1,000 to \$1,499 | J | \$5,000 to \$9,999 |
| | D | \$1,500 to \$1,999 | K | \$10,000 to \$19,999 |
| | E | \$2,000 to \$2,999 | L | \$20,000 to \$29,999 |
| | F | \$3,000 to \$3,999 | M | \$30,000 to \$39,999 |
| | G | \$4,000 or more | N | \$40,000 or more |

| Section 3B: Live in US - Basic Trip Characteristics | | |
|---|---|---|
| <i>Only ask Questions in this and other sub B sections if US Resident Or if SC2=1. Otherwise ask Questions in sub A sections.</i> | | |
| Q22 | How long did you stay in Mexico on this trip? | |
| | _____ hours / _____ days | <i>If less than 1 day, record in hours. Otherwise, record in days</i> |
| Q23 | On the day you entered Mexico, did you cross the border from the United States at this same location or at another location? <i>If another location, ask: Which location?</i> | |
| | <i>Record correct location</i> | |
| | 1 | Otay Mesa |
| | 2 | San Ysidro |
| | 3 | Tecate |
| | 4 | Other <i>specify</i> |
| | 5 | Did not cross into Mexico from US |
| | | <i>Terminate Interview but keep the survey paper</i> |
| Q24 | On the day you entered Mexico, from where in the United States did you begin your trip? <i>If needed: What City is that in or near?</i> | |
| | <i>Record specific location, if given initially.</i> | |
| | <i>Record City name.</i> | |
| Q25 | Where was your primary destination in Mexico? <i>If needed: What City is that in or near?</i> | |
| | <i>Record specific location, if given initially.</i> | |
| | <i>Record City name.</i> | |
| Q26 | What was the primary purpose for your trip? | |
| | 1 | Work or business related |
| | 2 | Shopping or errands |
| | 3 | Visit friends/family |
| | 4 | School |
| | 5 | Recreation, Entertainment or Vacation |
| | 6 | Medical |
| | 7 | Other <i>specify</i> |

| | | |
|-----|--|---------------------------------------|
| Q27 | Was there a secondary purpose for your trip? <i>If yes, ask: and what was that?</i> | |
| | 1 | Work or business related |
| | 2 | Shopping or errands |
| | 3 | Visit friends/family |
| | 4 | School |
| | 5 | Recreation, Entertainment or Vacation |
| | 6 | Medical |
| | 7 | Other <i>specify</i> |
| | 8 | No Secondary Purpose |
| Q28 | In the past month, how many times did you cross into Mexico at this point of entry? <i>If respondent says they are unsure, ask them to estimate.</i> | |
| | Record number of times. | |

Section 4B: Live in US - Sensitivity

Q29 When you decided to make this trip into Mexico, how long did you expect to wait in line at the border today before crossing back into the United States?

_____ hours & _____ minutes Record hours and minutes to nearest 15 minute interval

Choose a start time for Question Q30 based on their response to Question Q29. Start with the time that is 30 minutes longer than the time they offered in Q29. Only ask up to 4 times.

Q30 If you knew that the wait time in line would be _____, would you have made the trip into Mexico? *If they say not sure, ask them to provide their best guess.*

If person answers 'no' to a wait time, record 'no' for longer waits and go to next Q

| Read in Order | | Yes | No | No Answer |
|----------------------|---------------------|-----|----|-----------|
| A | 30 minutes | 1 | 2 | 99 |
| B | 1 hour | 1 | 2 | 99 |
| C | 1 hour, 30 minutes | 1 | 2 | 99 |
| D | 2 hours | 1 | 2 | 99 |
| E | 2 hours, 30 minutes | 1 | 2 | 99 |
| F | 3 hours | 1 | 2 | 99 |
| G | 3 hours, 30 minutes | 1 | 2 | 99 |
| H | 4 hours | 1 | 2 | 99 |
| I | 4 hours, 30 minutes | 1 | 2 | 99 |
| J | 5 hours | 1 | 2 | 99 |

| Section 5B: Live in US - Expenditures | | | |
|--|---|--|------------------------|
| Q31 | In total, how much money did you spend in Mexico on this trip? <i>If unsure, ask them to estimate.</i> | | |
| | _____ dollars/ _____ pesos | <i>Record in whole dollars or pesos. If zero, record and skip to next section.</i> | |
| Q32 | Of the amount you just mentioned, how much did you spend on: _____? <i>Record in pesos or dollars</i> | | |
| | Read in Order | Amount in dollars | Amount in pesos |
| A | Food | | 0 |
| B | Shopping, including gas | | 0 |
| C | Recreation or entertainment | | 0 |
| D | Lodging/Hotel | | 0 |
| Q33 | Imagine that you had decided <u>not</u> to take this trip because of the long wait time at the border. I'd like to know what you think you would have done with the money you spent in Mexico. Would you have: _____? <i>If yes, ask: How much of the money?</i> | | |
| | Read in Order | Amount in dollars | Amount in pesos |
| A | Spent some of the money in the United States instead? | | 0 |
| B | Spent some of the money in Mexico on a future trip? | | 0 |
| C | Saved some of the money? | | 0 |
| Q34 | Let me be more specific. How much of this money would you have spent in the United States on _____? <i>If respondent says they are unsure, ask them to take their best guess.</i> | | |
| | Read in Order | Amount in dollars | Amount in pesos |
| A | Shopping, including gas | | 0 |
| B | Food | | 0 |
| C | Recreation or entertainment | | 0 |
| D | Lodging/Hotel | | 0 |
| Q35 | Where in the United States would you have spent most of this money? <i>If needed: What City is that in or near?</i> | | |
| | | <i>Record City name or location if not in or near a City.</i> | |

| | | |
|---|---|---|
| Section 6B: Live in US - Work Trips | | |
| <i>Only ask Questions in this section if the person indicated that work or business was a primary or secondary purpose for the trip</i> | | |
| Now I'd like to ask you a few questions about the work or business aspects of this trip. | | |
| Q36 | What type of work do you do? | |
| | Briefly describe work | |
| Q37 | Is your primary place of employment in Mexico or the United States? | |
| | 1 | Mexico |
| | 2 | United States |
| Q38 | What is your wage or salary? <i>Record in Dollars or Peso. Make sure to record what time frame the amount is for (per hour, per week, per month, per years or some other timeframe)</i> | |
| | _____ dollars/ _____ pesos per (hour/day/week/month/year/ other_____) | |
| Q39 | How many hours are you supposed to work today? | |
| | _____ hours & _____ minutes | <i>Record hours and minutes to nearest 15 minute interval</i> |
| Q40 | Imagine that the border wait is one hour longer than you expected today to cross back into the United States. If you knew this ahead of time, would you still work the same number of hours, or would you work one hour less? | |
| | 1 | Work same number of hours |
| | 2 | Work one hour less |
| Q41 | If you had to wait 2 hours at the border <u>every</u> time when returning to the United States, do you think you would stop working in Mexico? | |
| | 1 | Yes |
| | 2 | No |

| | | |
|--|-----------------------------|--|
| Section 7B: Live in US - Demographics | | |
| D4 | In what year were you born? | |
| | Record year in four digits. | |

| | | | |
|--|----|--|------------------------------|
| D5 What is the last grade or level that you completed in school? | | | |
| | 1 | Elementary (8 or fewer years) | |
| | 2 | Some high school (9 to 11 years) | |
| | 3 | High school graduate (12 years) | |
| | 4 | Technical/Vocational school | |
| | 5 | Some college | |
| | 6 | College graduate | |
| | 7 | Some graduate school | |
| | 8 | Graduate, professional, doctorate degree (DDS, DVM, JD, LLM, MA, MS, MBA, MD, PhD) | |
| | 99 | Refused | |
| D6 This last question is for statistical purposes only. Please say the letter that corresponds with the category that best represents your household's <u>annual</u> income before taxes. You can choose either dollars or pesos. | | | |
| | | Amount in dollars | Amount in pesos |
| A | | \$19,999 or less | H \$119,999 or less |
| B | | \$20,000 to \$39,999 | I \$200,000 to \$399,999 |
| C | | \$40,000 to \$59,999 | J \$400,000 to \$599,999 |
| D | | \$60,000 to \$79,999 | K \$600,000 to \$799,999 |
| E | | \$80,000 to \$99,999 | L \$800,000 to \$999,999 |
| F | | \$100,000 to \$124,999 | M \$1,000,000 to \$1,249,999 |
| G | | \$125,000 or more | N \$1,250,000 or more |

Thank you for participating! That is all of the questions that I have.

| | | | |
|-----------------------------|---|------------|--|
| <i>Post-Interview Items</i> | | | |
| D7 Point of Entry | | | |
| | 1 | San Ysidro | |
| | 2 | Otay Mesa | |
| | 3 | Tecate | |

| | | | |
|------------------|---|---|--|
| D8 | | Day of Week | |
| | 1 | Monday | |
| | 2 | Tuesday | |
| | 3 | Wednesday | |
| | 4 | Thursday | |
| | 5 | Friday | |
| | 6 | Saturday | |
| | 7 | Sunday | |
| D9 | | Time interview was completed | |
| Hour: _____AM/PM | | <i>Record single digit hour and circle AM or PM</i> | |
| D10 | | Mode | |
| | 1 | Passenger Vehicle | |
| | 2 | Bus Passenger | |
| | 3 | Pedestrian | |
| D11 | | Number of people in personal vehicle | |
| | | <i>Record number</i> | |
| D12 | | SENTRI Lane? | |
| | 1 | Yes | |
| | 2 | No | |



| Sección 1: Introducción al Estudio | |
|---|--|
| <p>Hola, mi nombre es _____ y trabajo para la Asociación de de Gobiernos de San Diego y Caltrans. Estamos estudiando las condiciones de tráfico en la(s) frontera(s) y los impactos que esas condiciones causan. También estamos interesados en las características de las personas que cruzan la frontera. Quisiera hacerle unas preguntas sobre su viaje de hoy.</p> <p><i>Si hay más de una persona en el auto por favor diga:</i></p> <p>Por razones estadísticas quisiera hacerle las preguntas a la persona sentada <identificar el asiento>. Cuando responda, solamente responda por Usted</p> <p><i>Si la persona identificada es un menor, pregunte al adulto más cercano.</i></p> | |

| Sección 2: Lugar de Residencia | | | | | | | | | | |
|---------------------------------------|--|----------------------|--------|----------------------|---|----------------|----------------------|---|------------------------|--------------|
| SC1 | <p>Está UD visitando de otro país o radica (vive?) en México o Estados Unidos?</p> <p><i>Si la persona vive en Estados Unidos, pregunte dónde vive. En dónde está su casa?</i></p> <table border="1"> <tr> <td>1</td> <td>México</td> <td>Vaya a la sección 3A</td> </tr> <tr> <td>2</td> <td>Estados Unidos</td> <td>Vaya a la sección 3B</td> </tr> <tr> <td>3</td> <td>Visitando de otro país</td> <td>Pregunte SC2</td> </tr> </table> | 1 | México | Vaya a la sección 3A | 2 | Estados Unidos | Vaya a la sección 3B | 3 | Visitando de otro país | Pregunte SC2 |
| 1 | México | Vaya a la sección 3A | | | | | | | | |
| 2 | Estados Unidos | Vaya a la sección 3B | | | | | | | | |
| 3 | Visitando de otro país | Pregunte SC2 | | | | | | | | |
| SC2 | <p>Está Usted <u>regresando</u> a Estados Unidos de un viaje a México?</p> <table border="1"> <tr> <td>1</td> <td>Si</td> <td>Vaya a la sección 3B</td> </tr> <tr> <td>2</td> <td>No</td> <td>Vaya a la sección 3A</td> </tr> </table> | 1 | Si | Vaya a la sección 3B | 2 | No | Vaya a la sección 3A | | | |
| 1 | Si | Vaya a la sección 3B | | | | | | | | |
| 2 | No | Vaya a la sección 3A | | | | | | | | |

| Sección 3A: Lugar de Residencia: México -Características básicas de viaje | | | | | | | | | |
|--|---|---------|--|-----------------------|----|---------|--|--|--------|
| <p><i>Solo haga preguntas en la sección Sub A si el respondente es residente de México O si SCA=2. Si no, siga a la sección SUB B.</i></p> | | | | | | | | | |
| Q1 | <p>De dónde originó su viaje el día de hoy?</p> <p><i>Si la respuesta es de Tijuana o Tecate, pregunta la colonia.</i></p> <table border="1"> <tr> <td colspan="2"></td> <td>Colonia</td> </tr> <tr> <td colspan="2"></td> <td>Ciudad</td> </tr> </table> | | | | | Colonia | | | Ciudad |
| | | Colonia | | | | | | | |
| | | Ciudad | | | | | | | |
| Q2 | <p>Cuál es su destino primario?</p> <p>En qué ciudad, o de qué ciudad está cerca?</p> <p>Está en el condado de San Diego?</p> <table border="1"> <tr> <td>Condado de San Diego?</td> <td>Si</td> <td>No</td> <td>Si la respuesta es no, TERMINE LA ENTREVISTA. GUARDE LA ENCUESTA.</td> </tr> </table> | | | Condado de San Diego? | Si | No | Si la respuesta es no, TERMINE LA ENTREVISTA. GUARDE LA ENCUESTA. | | |
| Condado de San Diego? | Si | No | Si la respuesta es no, TERMINE LA ENTREVISTA. GUARDE LA ENCUESTA. | | | | | | |

| | | |
|--|--|--|
| Q3 Cuál es el propósito primordial de su viaje el día de hoy? | | |
| 1 | Trabajo o negocios | |
| 2 | Compras o encargos | |
| 3 | Visitar familia o amigos | |
| 4 | Escuela | |
| 5 | Recreación, Entretenimiento o vacaciones | |
| 6 | Razones médicas | |
| 7 | Otro | <i>Especifique:</i> |
| Q4 Hay alguna otra razón secundaria para su viaje el día de hoy? Si la respuesta es SI, pregunte lo siguiente: | | |
| 1 | Trabajo o relacionado al trabajo | |
| 2 | Compras o encargos | |
| 3 | Visitar familia o amigos | |
| 4 | Escuela | |
| 5 | Recreación, Entretenimiento o vacaciones | |
| 6 | Razones médicas | |
| 7 | Otro | <i>Especifique:</i> |
| 8 | No hay otra razón secundaria | |
| Q5 Cuánto tiempo permanecerá Usted en los Estados Unidos? | | |
| ----- horas / ----- días | | <i>Si es menos de un día, escriba las horas; si no, ponga el número de días.</i> |
| Q6 En el último mes, cuántas veces cruzó a Estados Unidos por este Puerto de entrada (esta garita)? Si el respondente no tiene el dato exacto, pedir un estimativo. | | |
| <i>Record number of times.</i> | | |

Sección 4A: Lugar de Residencia: México - Sensibilidad

| | | |
|---|--|--|
| Q7 Cuando empezó su viaje el día de hoy, cuánto estimó esperar en línea para cruzar a Estados Unidos? Si el respondente no tiene el dato exacto, pedir un estimativo. | | |
| ----- Horas y ----- minutos | | <i>Escriba horas y minutos en intervalos de 15 mins.</i> |

Escoja el tiempo de espera en la pregunta Q8 basado en la respuesta a la pregunta Q7. Diga al encuestado los tiempos de espera y empiece 30 min después de la respuesta de Q7. Pregunte solo 4 veces

| | | | | |
|---------------------|--------------|--|-----------|----------------------|
| Q8 | | Si Usted supiera que el tiempo de espera fuera_____, hubiera hecho Usted este viaje a México? Si el respondente no tiene el dato exacto, pedir un estimativo. <i>Quando el respondente diga "NO" a un tiempo de espera, escriba NO bajo la columna correspondiente y prosiga a la siguiente pregunta.</i> | | |
| Lea en orden | | Si | No | Sin respuesta |
| A | 30 min. | 1 | 2 | 99 |
| B | 1 h | 1 | 2 | 99 |
| C | 1 h, 30 min. | 1 | 2 | 99 |
| D | 2 h | 1 | 2 | 99 |
| E | 2 h, 30 min. | 1 | 2 | 99 |
| F | 3 h | 1 | 2 | 99 |
| G | 3 h, 30 min. | 1 | 2 | 99 |
| H | 4 h | 1 | 2 | 99 |
| I | 4 h, 30 min. | 1 | 2 | 99 |
| J | 5 h | 1 | 2 | 99 |

| | | | |
|---|------------------------------|---|--------------------------|
| Sección 5A: Lugar de Residencia: México - Gastos | | | |
| Q9 | | En total, cuánto piensa Usted gastar en este viaje a Estados Unidos? Si el respondente no tiene el dato exacto, pedir un estimativo. | |
| _____ dólares/ _____ pesos | | <i>Escriba dólares o pesos. Si la repuesta es "CERO" continúe a la próxima sección</i> | |
| Q10 | | De la cantidad que menciona, cuánto gastará en: _____? <i>Escriba dólares o pesos</i> | |
| Lea en orden | | Cantidad en dlls | Cantidad en pesos |
| A | Comida | | 0 |
| B | Compras, incluyendo gasolina | | 0 |
| C | Recreación o entretenimiento | | 0 |
| D | Hotel y alojamiento | | 0 |

| | | | |
|---|--|------------------|-------------------|
| Q11 | Por la espera de la línea, suponga que hubiera decidido no hacer este viaje el día de hoy; Qué hubiera hecho con el dinero que iba a gastar el día de hoy en Estados Unidos? Si _____ No _____ <i>Si la respuesta es Si, que cantidad? _____ ¿Cómo lo gastaría? _____</i> | | |
| Lea en orden | | Cantidad en dlls | Cantidad en pesos |
| A | Gastaría parte del dinero en México | | 0 |
| B | Gastaría parte del dinero en EU en un viaje a futuro? | | 0 |
| C | Ahorraría parte del dinero? | | 0 |
| Pregunte Q12 si el respondente indica el gasto de dinero en México | | | |
| Q12 | Permítame ser más específico. Qué cantidad gastaría en México en los siguientes conceptos: Si el respondente no tiene el dato exacto, pedir un estimativo. | | |
| Lea en orden | | Cantidad en dlls | Cantidad en pesos |
| A | Compras, incluyendo gasolina | | 0 |
| B | Comida | | 0 |
| C | Recreación o entretenimiento | | 0 |
| D | Hotel o alojamiento | | 0 |
| Q13 | En dónde en México gastaría su dinero? | | |
| | <i>Ciudad o localidad</i> | | |

| | |
|---|---|
| Sección 6A: Lugar de Residencia: México - viajes de trabajo | |
| <i>Haga las preguntas en la siguiente sección solo si la persona indica que el propósito primordial y/o secundario del viaje es POR TRABAJO</i> | |
| Quisiera hacerle algunas preguntas sobre aspectos de trabajo/negocio de su viaje. | |
| Q14 | Qué tipo de trabajo hace Usted? |
| | <i>Describa su trabajo</i> |
| Q15 | Cuál es su salario aproximado mensual o quincenal? <i>Escriba la cantidad en dólares/pesos y la frecuencia de pago: semanal, quincenal, por hora, mensual.</i> |
| | _____ dólares/ _____ pesos por (_____) |

| | | | |
|-----------------------------|--|--|--|
| Q16 | | | Cuántas horas debería de trabajar Usted el día de hoy? |
| ----- horas & ----- minutos | | <i>Escriba horas y minutos en intervalos de 15</i> | |
| Q17 | | | Si Usted llegara a su trabajo una hora tarde por una espera mayor en la línea, tendría que trabajar las mismas horas, o trabajaría una hora menos? |
| 1 | Las mismas horas/una hora más tarde | | |
| 2 | Una hora menos | | |
| Q18 | | | Si Usted tuviera que esperar 2 horas diarias para cruzar, dejaría de trabajar en Estados Unidos? |
| 1 | Si | <i>Vaya a Q20</i> | |
| 2 | No | <i>Pregunte Q19</i> | |
| Q19 | | | Cambiaría Usted sus hábitos de transporte o residencia si la espera fuera de 2 horas cada día? Si la respuesta es Sí, que cambios haría? |
| 1 | Ninguno | | <i>Vaya a la siguiente sección</i> |
| 2 | Cruzaría por otro Puerto de entrada | | <i>Vaya a la siguiente sección</i> |
| | 2a | Mesa de Otay | <i>Vaya a la siguiente sección</i> |
| | 2b | San Ysidro | <i>Vaya a la siguiente sección</i> |
| | 2c | Tecate | <i>Vaya a la siguiente sección</i> |
| 3 | Cambiaría la manera de cruzar | | <i>Vaya a la siguiente sección</i> |
| | 3a | Caminando | <i>Vaya a la siguiente sección</i> |
| | 3b | Bicicleta | <i>Vaya a la siguiente sección</i> |
| | 3c | Automóvil | <i>Vaya a la siguiente sección</i> |
| | 3d | Camión | <i>Vaya a la siguiente sección</i> |
| 4 | Línea SENTRI | | <i>Vaya a la siguiente sección</i> |
| 5 | Residir en Estados Unidos | | <i>Vaya a la siguiente sección</i> |
| 6 | Quedarse en Estados Unidos durante la semana | | <i>Vaya a la siguiente sección</i> |
| 7 | Otro | <i>Especifique:</i> | <i>Vaya a la siguiente sección</i> |
| Q20 | | | Encontraría algún trabajo en México? |
| 1 | Si | | <i>Pregunte Q21</i> |
| 2 | No | | <i>Vaya a la siguiente sección</i> |
| Q21 | | | Cuánto cree Usted que ganaría por quincena si trabajara en México en vez de Estados Unidos? <i>Escriba la cantidad en dólares/pesos y la frecuencia de pago: semanal, quincenal, por hora, mensual.</i> |
| ----- dólares/ ----- pesos | | por-----) | |

| Sección 7A: Lugar de Residencia: México - Demografía | | | | |
|--|---|---|--------------------------|---------------------|
| D1 | En qué año nació Usted? | | | |
| | Escriba los 4 dígitos | | | |
| D2 | Cuál es su nivel educacional? | | | |
| | 1 | Primaria | | |
| | 2 | Secundaria | | |
| | 3 | Preparatoria | | |
| | 4 | Escuela técnica o vocacional | | |
| | 5 | Algo de universidad | | |
| | 6 | Licenciatura | | |
| | 7 | Maestría | | |
| | 8 | Doctorado, Profesional, (DDS, DVM, JD, LLM, MA, MS, MBA, MD, PhD) | | |
| | 99 | No respondió | | |
| D3 | Para propósito estadístico solamente, cuál es el ingreso anual de su familia. Por favor diga Usted la letra que mas se aproxima. Pesos o dólares. | | | |
| | Cantidad en dólares | | Cantidad en pesos | |
| | A | \$499 o menos | H | \$4,999 o menos |
| | B | \$500 a \$999 | I | \$5,000 a \$9,999 |
| | C | \$1,000 a \$1,499 | J | \$5,000 a \$9,999 |
| | D | \$1,500 a \$1,999 | K | \$10,000 a \$19,999 |
| | E | \$2,000 a \$2,999 | L | \$20,000 a \$29,999 |
| | F | \$3,000 a \$3,999 | M | \$30,000 a \$39,999 |
| | G | \$4,000 o más | N | \$40,000 o más |

| Sección 3B: Lugar de Residencia: Estados Unidos –características básicas de viaje | | |
|--|---|---|
| <i>Solo pregunte de esta sección y otra sub sección B si el respondente es residente de Estados Unidos o si SC2. De lo contrario, haga las preguntas de la sección SUB A</i> | | |
| Q22 | Cuánto tiempo permaneció en México durante este viaje? | |
| | _____ horas / _____ días | <i>Si la respuesta es menos de un día, escriba las horas</i> |
| Q23 | Cuando entró a México, cruzó por este Puerto de entrada o por otra Garita? Si por otra Garita, por favor diga cuál? | |
| | 1 | Mesa de Otay |
| | 2 | San Ysidro |
| | 3 | Tecate |
| | 4 | Otra <i>Especifique:</i> |
| | 5 | No cruzó por ninguna garita <i>Termine la entrevista pero guarde la encuesta</i> |
| Q24 | Durante este viaje, cuando cruzó de Estados Unidos a México, en dónde originó su viaje? En qué ciudad, o cerca de qué ciudad? | |
| | | <i>Especifique la respuesta inicial</i> |
| | | <i>Nombre de la ciudad</i> |
| Q25 | Cuál es su destino primordial en México? <i>Qué Ciudad?</i> | |
| | | <i>Especifique la respuesta inicial.</i> |
| | | <i>Nombre de la ciudad</i> |
| Q26 | Cuál es el propósito principal de su visita a México? | |
| | 1 | Trabajo o negocios |
| | 2 | Compras o encargos |
| | 3 | Visitar familia/amigos |
| | 4 | Escuela |
| | 5 | Recreación, entretenimiento o vacaciones |
| | 6 | Razones médicas |
| | 7 | Otro <i>Especificar:</i> |

| | | |
|-----|--|--|
| Q27 | Hay alguna otra razón secundaria para su viaje el día de hoy? Si la respuesta es SI, pregunte lo siguiente: | |
| | 1 | Trabajo o negocios |
| | 2 | Compras o encargos |
| | 3 | Visitar familia/amigos |
| | 4 | Escuela |
| | 5 | Recreación, entretenimiento o vacaciones |
| | 6 | Razones médicas |
| | 7 | Otro <i>Especificar:</i> |
| | 8 | Ningún propósito secundario |
| Q28 | En el último mes, cuántas veces cruzó a México por este Puerto de entrada? Si el respondente no tiene el dato exacto, pedir un estimativo. | |
| | Escriba el número de veces. | |

Sección 4B: Lugar de Residencia: Estados Unidos - Sensibilidad

| | | | |
|-----|---|---|--|
| Q29 | Cuando empezó su viaje el día de hoy, cuánto estimó esperar en línea para cruzar a Estados Unidos? Si el respondente no tiene el dato exacto, pedir un estimativo. | | |
| | ----- Horas y ----- minutos | Escriba horas y minutos en intervalos de 15 mins. | |
| | <i>Escoja el tiempo de espera en la pregunta Q30 basado en la respuesta a la pregunta Q29. Diga al encuestado los tiempos de espera y empiece 30 min después de la respuesta de Q29.</i> | | |
| Q30 | Si Usted supiera que el tiempo de espera fuera-----, hubiera hecho Usted este viaje a Mexico? Si el respondente no tiene el dato exacto, pedir un estimativo. <i>Cuando el respondente diga "NO" a un tiempo de espera, escriba NO bajo la columna correspondiente y prosiga a la siguiente pregunta</i> | | |

| <i>Lea en orden</i> | | Si | No | N/A |
|---------------------|--------------|----|----|-----|
| A | 30 min. | 1 | 2 | 99 |
| B | 1 h | 1 | 2 | 99 |
| C | 1 h, 30 min. | 1 | 2 | 99 |
| D | 2 h | 1 | 2 | 99 |
| E | 2 h, 30 min. | 1 | 2 | 99 |
| F | 3 h | 1 | 2 | 99 |
| G | 3 h, 30 min. | 1 | 2 | 99 |
| H | 4 h | 1 | 2 | 99 |

| | | | | |
|---|--------------|---|---|----|
| I | 4 h, 30 min. | 1 | 2 | 99 |
| J | 5 h | 1 | 2 | 99 |

Sección 5B: Lugar de Residencia: Estados Unidos - Gastos

| | | | | |
|-----|--|--|-------------------|-----|
| Q31 | En total, qué cantidad de dinero gastó Usted en este viaje a México? | | | |
| | _____ dólares/ _____ pesos | <i>Escriba dólares o pesos. Si la respuesta es "CERO" continúe a la próxima sección.</i> | | |
| Q32 | De la cantidad que menciona cuánto gastó en_____? <i>Escriba dólares o pesos</i> | | | |
| | Lea en orden | Cantidad en Dlls | Cantidad en pesos | N/A |
| A | Comida | | | 0 |
| B | Compras, incluyendo gasolina | | | 0 |
| C | Recreación o entretenimiento | | | 0 |
| D | Hotel y alojamiento | | | 0 |
| Q33 | Por la espera de la línea, suponga que hubiera decidido <u>no</u> hacer este viaje el día de hoy, Qué hubiera hecho con el dinero que iba a gastar el día de hoy en México? Si _____ No _____ <i>Si la respuesta es SI, que cantidad? _____</i> Cómo lo gastaría: _____? | | | |
| | Lea en orden | Cantidad en dlls | Cantidad en pesos | N/A |
| A | Gastaría parte del dinero en Estados Unidos | | | 0 |
| B | Gastaría parte del dinero en México en un viaje a futuro. | | | 0 |
| C | Ahorraría parte del dinero | | | 0 |
| Q34 | Permítame ser más específico. Qué cantidad gastaría en Estados Unidos en los siguientes conceptos: Si el respondente no tiene el dato exacto, pedir un estimativo. | | | |
| | Lea en orden | Cantidad en dlls | Cantidad en pesos | N/a |
| A | Compras incluyendo gasolina | | | 0 |
| B | Comida | | | 0 |
| C | Recreación o entretenimiento | | | 0 |
| D | Hotel o alojamiento | | | 0 |

| | | |
|-----|--|--|
| Q35 | En dónde en Estados Unidos gastaría su dinero? | |
| | <i>Ciudad o localidad</i> | |

Sección 6B: Lugar de Residencia: Estados Unidos - Viajes de trabajo

Haga las preguntas en la siguiente sección solo si la persona indica que el propósito primordial y/o secundario del viaje es POR TRABAJO

Quisiera hacerle algunas preguntas sobre aspectos de trabajo/negocio de su viaje.

| | | |
|-----|---------------------------------|--|
| Q36 | Qué tipo de trabajo hace Usted? | |
| | <i>Describe su trabajo</i> | |

| | | |
|-----|---|----------------|
| Q37 | Su lugar primordial de empleo es en Estados Unidos o en México? | |
| | 1 | México |
| | 2 | Estados Unidos |

| | | |
|-----|--|--|
| Q38 | Cuál es su salario aproximado? <i>Escriba la cantidad en dólares/pesos y la frecuencia de pago: semanal, quincenal, por hora, mensual</i> | |
| | _____ dólares/ _____ pesos | por (hora/DIA/semana/mes/Anual/ otro_____) |

| | | |
|-----|--|---|
| Q39 | Cuántas horas debería de trabajar Usted el día de hoy? | |
| | _____ horas y _____ minutos | <i>Escriba horas y minutos en intervalos de 15 mins</i> |

| | | |
|-----|--|-------------------------------------|
| Q40 | Si Usted llegara a su trabajo una hora tarde por una espera mayor en la línea, tendría que trabajar las mismas horas, o trabajaría una hora menos? | |
| | 1 | Las mismas horas/una hora mas tarde |
| | 2 | Una hora menos |

| | | |
|-----|--|----|
| Q41 | Si Usted tuviera que esperar 2 horas diarias para cruzar, dejaría de trabajar en México? | |
| | 1 | Si |
| | 2 | No |

| Sección 7B: Lugar de Residencia Estados Unidos - Demografía | | | | |
|--|--|--|--------------------------|---------------------------|
| D4 | En que año nació Usted? | | | |
| | | Escriba los 4 dígitos | | |
| D5 | Cuál es su nivel educacional? | | | |
| | 1 | Primaria | | |
| | 2 | Secundaria | | |
| | 3 | Preparatoria | | |
| | 4 | Escuela técnica o vocacional | | |
| | 5 | Algo de universidad | | |
| | 6 | Licenciatura | | |
| | 7 | Maestría | | |
| | 8 | Doctorado, Profesional (DDS, DVM, JD, LLM, MA, MS, MBA, MD, PhD) | | |
| | 99 | No respondió | | |
| D6 | Para propósito estadístico solamente, cuál es el ingreso anual de su familia. Por favor diga Usted la letra que más se aproxima. Pesos o dólares | | | |
| | Cantidad en dólares | | Cantidad en pesos | |
| A | \$19,999 o menos | | H | \$119,999 o menos |
| B | \$20,000 a \$39,999 | | I | \$200,000 a \$399,999 |
| C | \$40,000 a \$59,999 | | J | \$400,000 a \$599,999 |
| D | \$60,000 a \$79,999 | | K | \$600,000 a \$799,999 |
| E | \$80,000 a \$99,999 | | L | \$800,000 a \$999,999 |
| F | \$100,000 a \$124,999 | | M | \$1,000,000 a \$1,249,999 |
| G | \$125,000 a more | | N | \$1,250,000 a more |

Gracias por su cooperación.

| Datos de la entrevista | | | |
|-------------------------------|-------------------|--------------|--|
| D7 | Puerto de entrada | | |
| | 1 | San Ysidro | |
| | 2 | Mesa de Otay | |
| | 3 | Tecate | |

| | | | |
|------------------|---|---|--|
| D8 | | DIA de la semana | |
| | 1 | Lunes | |
| | 2 | Martes | |
| | 3 | Miércoles | |
| | 4 | Jueves | |
| | 5 | Viernes | |
| | 6 | Sábado | |
| | 7 | Domingo | |
| D9 | | Hora en que la entrevista fue completada | |
| Hora: _____AM/PM | | | |
| D10 | | Modo de transporte | |
| | 1 | Vehículo de pasajeros | |
| | 2 | Camión de pasajeros | |
| | 3 | Peatón | |
| D11 | | Número de personas en el vehículo | |
| | | <i>Escriba número</i> | |
| D12 | | Línea SENTRI? | |
| | 1 | Si | |
| | 2 | No | |