US 67 CORRIDOR MASTER PLAN

APPENDIX S

FEBRUARY 2020

US 67 CORRIDOR
MASTER PLAN

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Memorandum

To: *Rebecca Reyes, TxDOT Project Manager*
Christopher Weber, TxDOT Alpine Area Engineer

From: *CDM Smith*

Date: *February 2020*

Subject: *US 67 Corridor Master Plan Origin-Destination Data Technical Memorandum*

1.0 Introduction

The purpose of this technical memorandum is to describe the Bluetooth Origin-Destination (O-D) data collected for the US 67 Corridor Master Plan, the methodology adopted for processing the O-D data, and to provide a summary of observed O-D patterns along the US 67 corridor.

The US 67 corridor stretches 142 miles from Interstate 10 (I-10) west of Fort Stockton to the Presidio/Ojinaga Port of Entry (POE) on the U.S./Mexico border. US 67 provides access to the towns of Alpine, Marfa, Presidio, and surrounding communities, as well as Big Bend National Park, Sul Ross State University, the Marfa Lights, Big Bend Ranch State Park, Fort Leaton State Park, and Fort Davis attractions. This rural area has experienced increased traffic in recent years driven by many factors including growth in tourism, international commerce, and Permian Basin oil field development. In response to these trends, TxDOT, in partnership with the local communities, is developing a Corridor Master Plan to help determine the current and future transportation needs along US 67. The study objectives are focused on enhancing safety, efficiency, and mobility along the corridor by recommending transportation projects and strategies for short-, mid-, and long-term implementation.

The remainder of this document is divided into three sections:

- **Section 2 –** Bluetooth O-D Data Collection
- **Section 3 –** Bluetooth O-D Data Processing
- **Section 4 –** Summary of O-D Patterns

Figure 1 shows the study corridor.

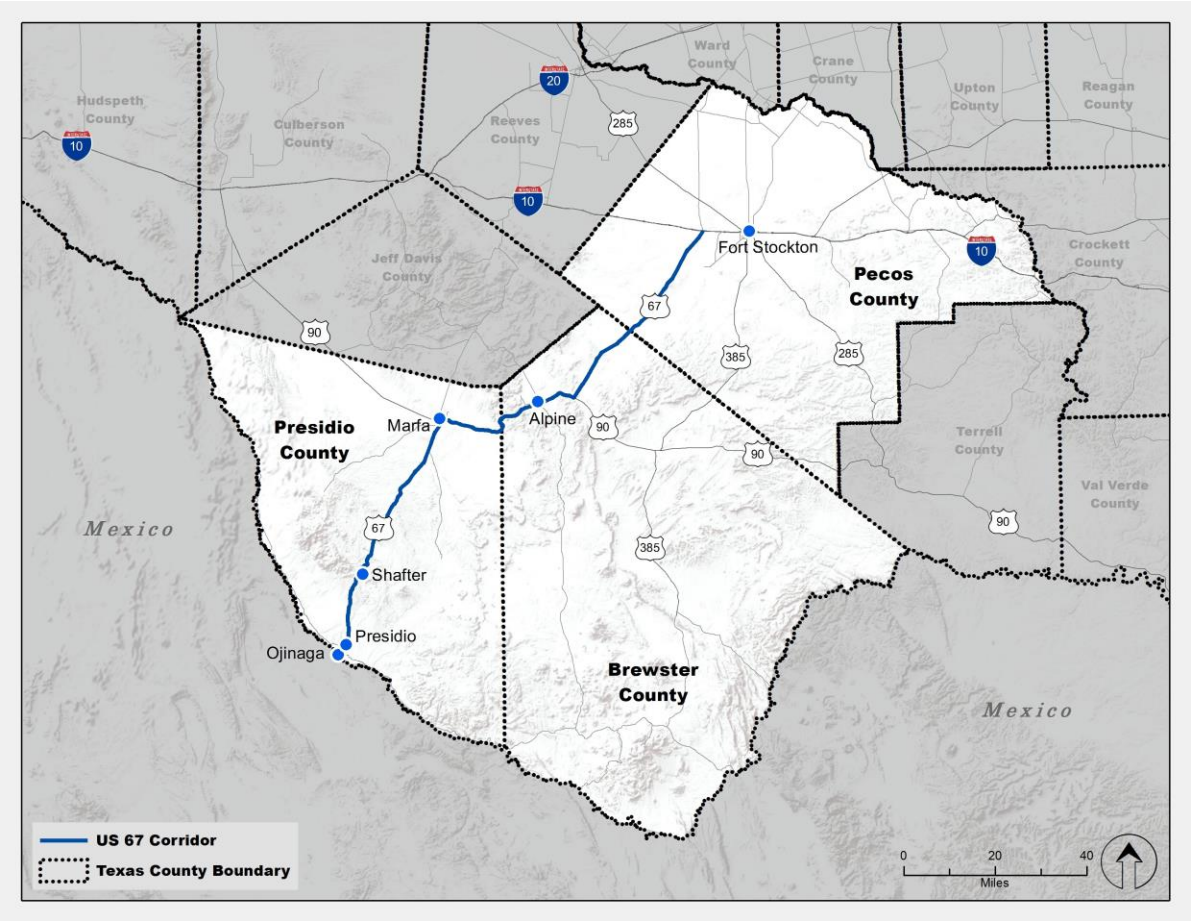

Figure 1: US 67 Corridor Master Plan Study Corridor

2.0 Bluetooth O-D Data Collection

O-D data along the US 67 study corridor was obtained using Bluetooth devices. To understand the O-D patterns, 15 Bluetooth radio stations were placed at the Presidio/Ojinaga POE and other key locations where traffic and travel patterns may experience significant change, as shown in **Figure 2**.

Of the 15 radio stations, 12 were placed along or near the US 67 study corridor including:

- ***Two stations in the Presidio area***: one at US 67 just north of the Presidio/Ojinaga POE and the other at US 67 north of Presidio
- ***Four stations at US 90 and US 67 interchange near Marfa***: one south, one east, and one west of the interchange and one at SH 17 north of the interchange
- ***Two stations at US 90 and US 67 interchange east of Alpine:*** one west of the interchange and one east of the interchange

- ***Four stations at US 67 and I-10 Interchange:*** one at US 67 south of I-10, one at FM 1776 north of I-10, and two along I-10, one west and one east of US 67

The remaining three stations were placed outside the three-county area at locations that may potentially generate traffic that uses the US 67 study corridor.

Bluetooth data was collected at these 15 stations for 24 days between November 5, 2017 and November 28, 2017.

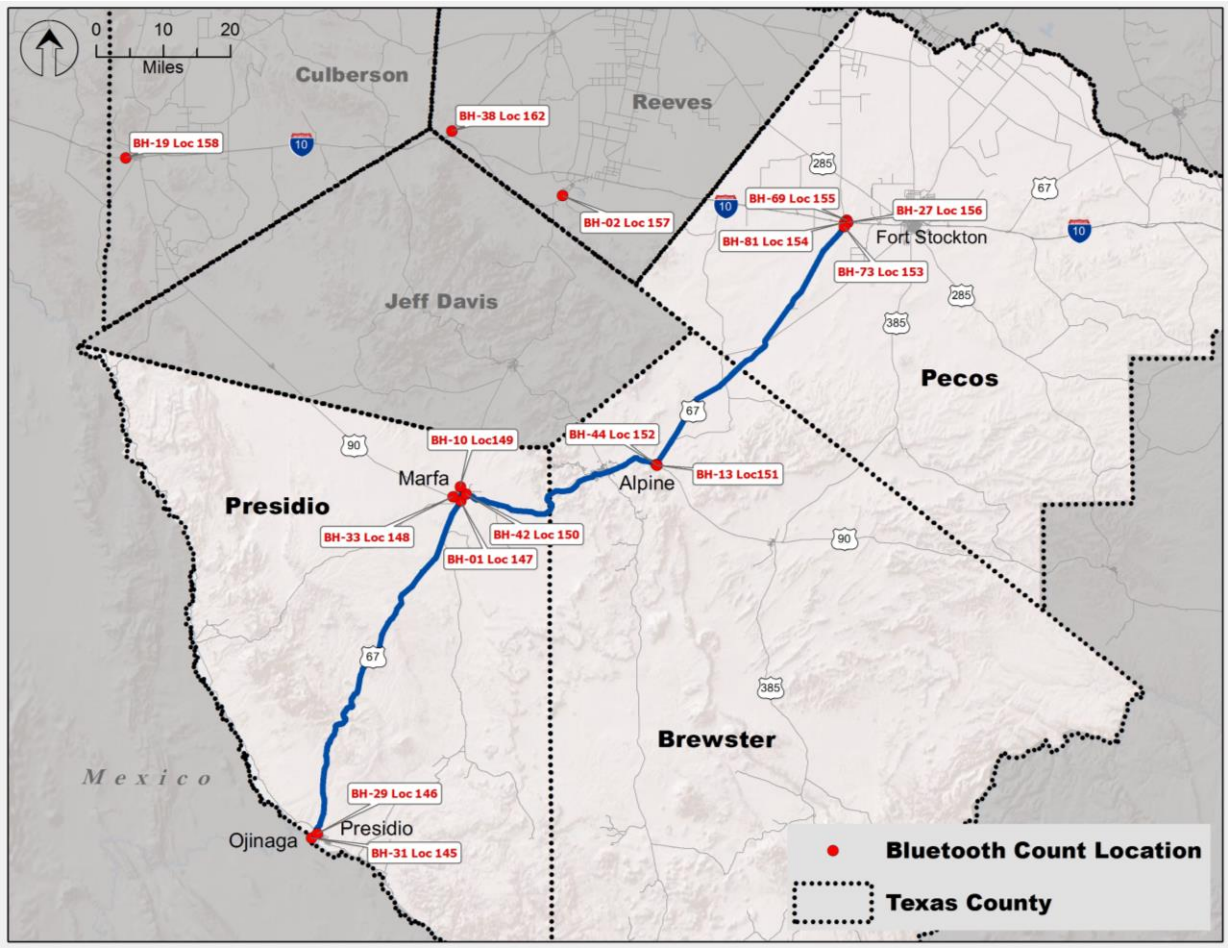

Figure 2: Bluetooth Radio Station Locations

3.0 Bluetooth O-D Data Processing

A Bluetooth radio station can detect Bluetooth enabled devices in discoverable mode as the vehicle passes near the device. It records the precise time of detection as well as the unique 'media access control' (MAC) address of the Bluetooth devices.

The first data processing step was to clean up the raw data. As Bluetooth radio stations refresh their search every few milliseconds, there were a lot of occasions where the same Bluetooth device was recorded multiple times within a brief period. Therefore, the first data processing step was to remove any repeated reads which were detected within two minutes at the same location.

The second step was to separate the recorded reads into two sets. The first set included the reads that were detected only once throughout all Bluetooth radio stations. These reads most likely record the vehicle trips that either end in local communities or divert to a different path or route that was not covered by Bluetooth radio stations. The second set included the reads that were detected by two or more Bluetooth radio stations.

Next, using the sequential detection of unique MAC addresses and detection times, all reads in the second set were grouped, and their trip IDs and trip directions were determined. Because of the limited Bluetooth range and placement of Bluetooth radio stations, many Bluetooth devices were not detected accurately.

In the next step, all potential missing detections were added to the dataset based on professional judgment. As the travel patterns along US 67 vary based on the day of the week, the number of trips between each O-D pair (O-D matrices) and total reads at each Bluetooth location were calculated separately for each day of the week (Monday through Sunday). The number of reads in the first set, that were detected only once at any Bluetooth radio station, were split for each day of the week based on the directional split calculated from the O-D matrices and added to the total reads at that location.

4.0 Summary of O-D Patterns

The O-D summary is presented in **Attachment A**. As shown in **Attachment A**, Sunday shows the highest percentage of northbound/eastbound traffic from the Presidio/Ojinaga POE to the I-10/US 67 interchange compared with other days of the week. Conversely, Wednesday shows the highest percentage of southbound/westbound traffic from the I-10/US 67 interchange to the Presidio/Ojinaga POE. This is consistent with the public input received from the first round of public meetings where it was mentioned that more traffic enters the U.S. at the Presidio/Ojinaga POE on Sundays than on any other day.

Attachment A also shows the daily reads captured by Bluetooth devices at each station. These daily reads were compared with the 24-hour daily traffic counts collected with cameras or sensors at each station. This was done to estimate the observed sample size at each station which is the percentage of total traffic that had Bluetooth-enabled devices that the Bluetooth readers were also able to read and record at each location.

Based on the observed sample O-D data and applying those O-D percentages to the 24-hour daily traffic volumes collected at each station, the number of daily vehicle trips from an origin to a destination was estimated and is summarized for each of the seven weekdays in **Attachment A**. The following sections summarize O-D pattern between the Presidio/Ojinaga POE and the I-10/US 67 interchange on Wednesdays and Sundays.

4.1 Summary of O-D Patterns on Sundays

On Sundays, approximately 500 vehicles (18 percent of 2,800 vehicles) travel from the Presidio/Ojinaga POE to the I-10/US 67 interchange; in the opposite direction, approximately 90 vehicles (10 percent of 900 vehicles) travel from the I-10/US 67 interchange to the Presidio/Ojinaga POE.

4.2 Summary of O-D Patterns on Wednesdays

Conversely, on Wednesdays, approximately 180 vehicles (8 percent of 2,200 vehicles) travel from the Presidio/Ojinaga POE to the I-10/US 67 interchange; and approximately 540 vehicles (20 percent of 2,700 vehicles) travel from the I-10/US67 interchange to the Presidio/Ojinaga POE.

Figure 3 and **Figure 4** depict the northbound and southbound traffic distribution on Wednesdays and Sundays.

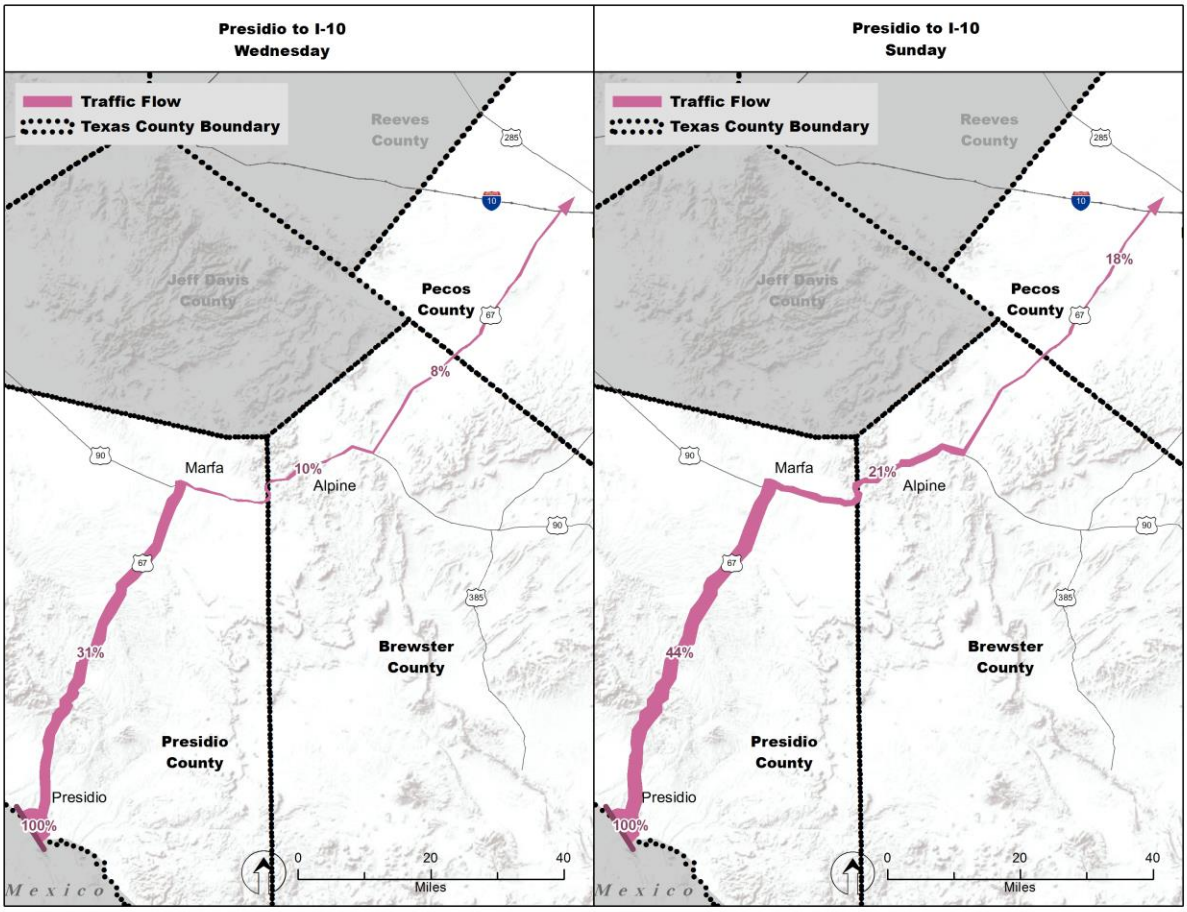

Figure 3: Northbound/Eastbound Traffic Distribution on Wednesdays and Sundays

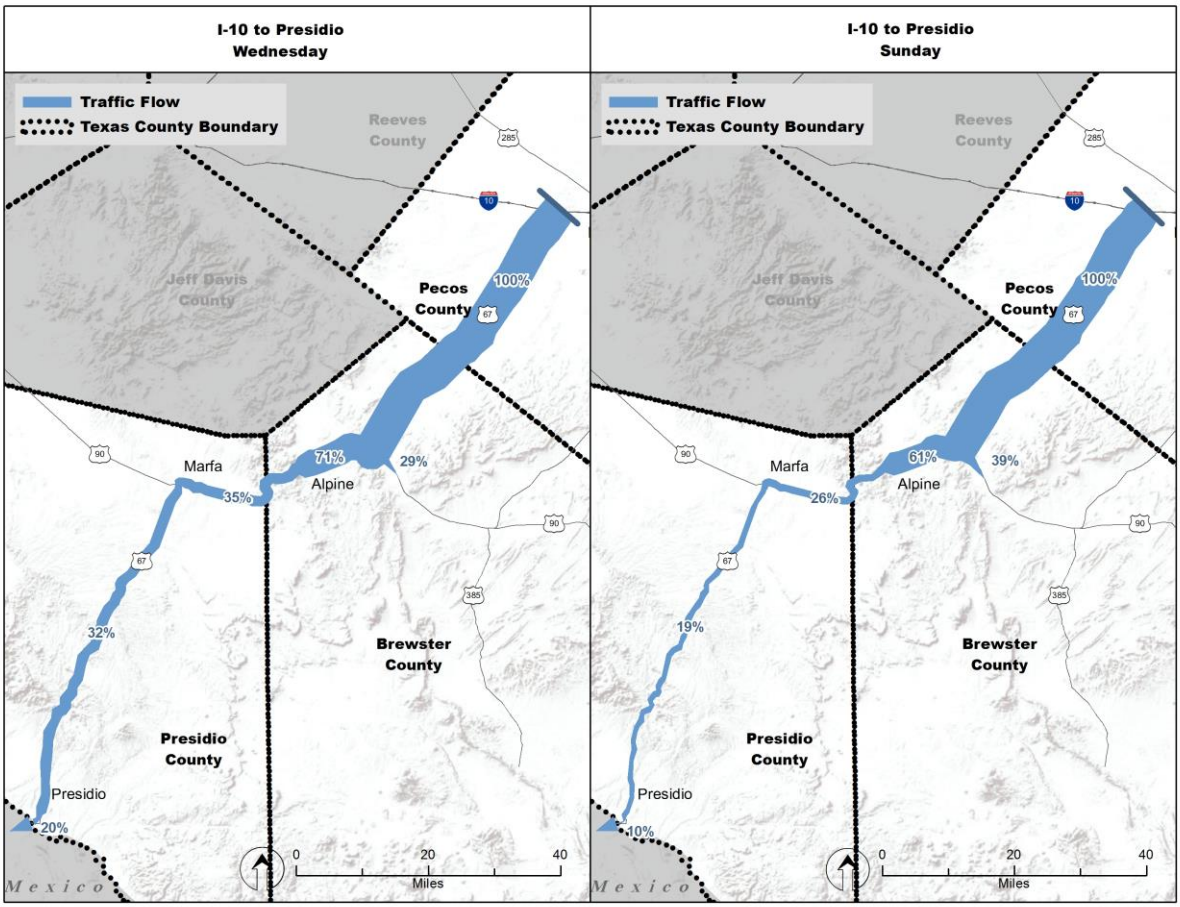

Figure 4: Southbound/Westbound Traffic Distribution on Wednesdays and Sundays

5.0 Disclaimer

The O-D data summaries shown in **Figure 3** and **Figure 4** and provided in **Attachment A** are limited to the trips that could be detected by the Bluetooth devices. The data does not necessarily represent 100 percent of the traffic on the US 67 corridor. Due to uncertainty regarding the sample size of the observed O-D data and its statistical validity, caution should be exercised in interpreting this data and its usage should be limited to discussion purposes only.

Attachment A: Bluetooth OD Data Summary

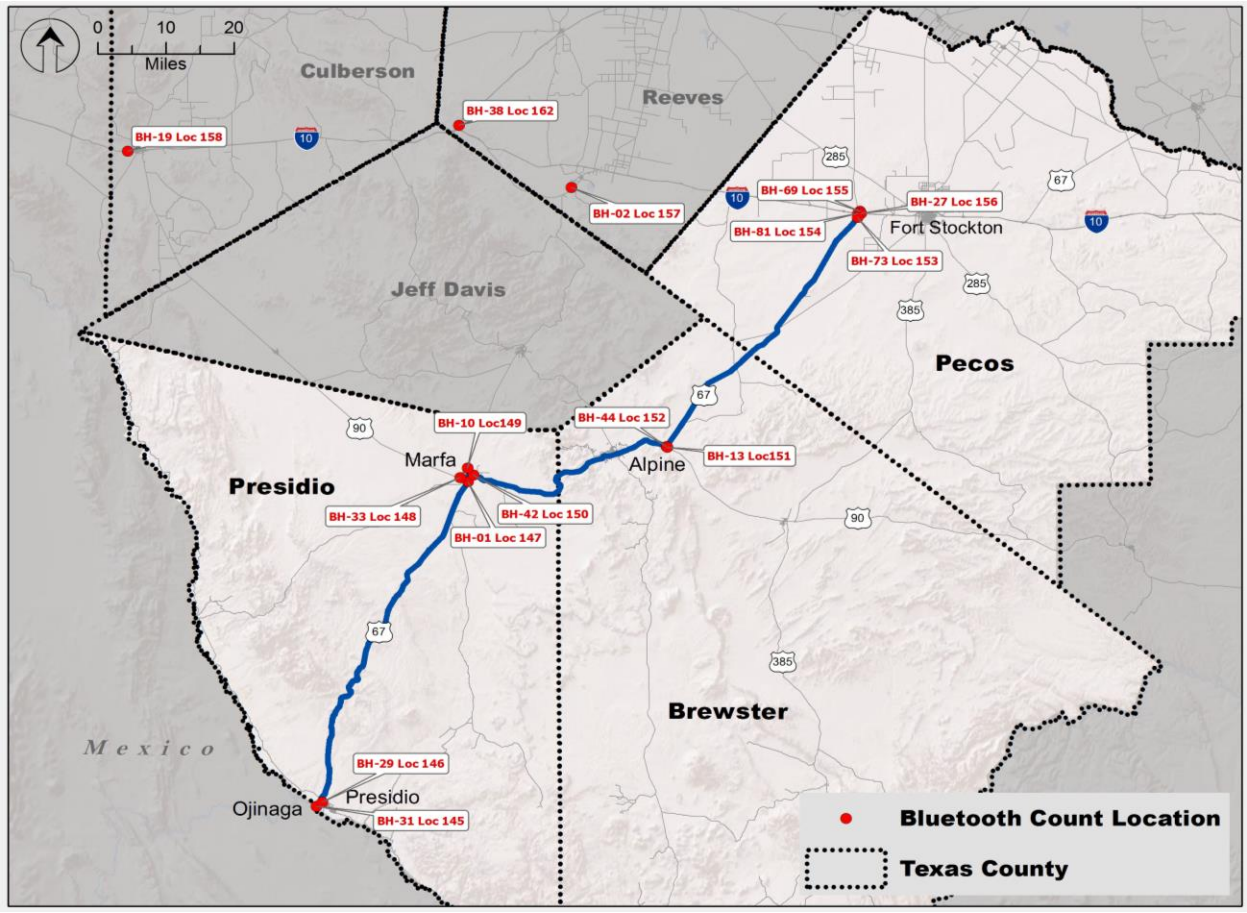

Figure A-1: Bluetooth Radio Station Locations

Location ID	Descriptions
BH-31 Loc 145	Presidio/Ojinaga POE
BH-29 Loc 146	US 67 north of Presidio
BH-01 Loc 147	US 67 south of US 90 near Marfa
BH-33 Loc 148	US 90 west of US 67/US 90 Interchange in Marfa area
BH-10 Loc149	SH 17 north of US 90/US 67
BH-42 Loc 150	US 67 east of US 67/US 90 Interchange
BH-44 Loc 152	US 67 west of US 67/US 90 Interchange (east of Alpine)
BH-73 Loc 153	US 67 south of IH 10 Interchange
BH-81 Loc 154	IH 10 west of US 67 Interchange
BH-69 Loc 155	FM 1776 north of US 67/IH 10 Interchange
BH-27 Loc 156	IH 10 east of US 67 Interchange

US 67 Bluetooth Origin-Destination Data Summary: Monday

Table A-1: Origin-Destination Percentages – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	100%	41%	24%	0%	8%	15%	15%	13%	0%	6%	2%
BH-29 Loc 146		100%	36%	1%	9%	23%	21%	19%	0%	8%	3%
BH-01 Loc 147			100%	3%	23%	58%	55%	48%	0%	22%	8%
BH-33 Loc 148				100%	3%	18%	13%	3%	0%	1%	2%
BH-10 Loc149					100%	3%	13%	13%	1%	4%	6%
BH-42 Loc 150						100%	63%	55%	0%	24%	12%
BH-44 Loc 152							100%	55%	0%	19%	21%
BH-73 Loc 153								100%	0%	26%	32%
BH-81 Loc 154									100%	1%	98%
BH-69 Loc 155										100%	0%
BH-27 Loc 156											100%

Table A-2: Origin-Destination Percentages – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	100%	0%	84%	14%	10%	3%	0%	0%	2%	2%	1%
BH-69 Loc 155		100%	11%	72%	59%	29%	0%	0%	27%	27%	11%
BH-81 Loc 154			100%	0%	0%	0%	0%	0%	0%	0%	0%
BH-73 Loc 153				100%	62%	24%	1%	0%	21%	20%	10%
BH-44 Loc 152					100%	27%	1%	3%	20%	19%	10%
BH-42 Loc 150						100%	4%	11%	51%	46%	24%
BH-10 Loc149							100%	3%	48%	43%	26%
BH-33 Loc 148								100%	16%	15%	5%
BH-01 Loc 147									100%	86%	40%
BH-29 Loc 146										100%	31%
BH-31 Loc 145											100%

Table A-3: Origin-Destination Read – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	625	255	151	0	48	93	92	83	0	36	14
BH-29 Loc 146		951	344	11	83	216	203	180	0	79	31
BH-01 Loc 147			393	12	89	229	217	189	0	86	32
BH-33 Loc 148				96	3	17	12	3	0	1	2
BH-10 Loc149					197	6	25	25	2	8	11
BH-42 Loc 150						380	238	208	1	90	46
BH-44 Loc 152							784	434	2	148	167
BH-73 Loc 153								653	3	167	209
BH-81 Loc 154									1221	17	1201
BH-69 Loc 155										1430	0
BH-27 Loc 156											203

Table A-4: Origin-Destination Read – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	1318	0	1111	183	135	38	5	2	27	24	14
BH-69 Loc 155		148	17	107	88	43	0	0	40	40	16
BH-81 Loc 154			1129	1	1	0	1	0	1	1	0
BH-73 Loc 153				463	285	111	4	2	96	92	48
BH-44 Loc 152					521	141	6	14	106	97	50
BH-42 Loc 150						228	8	24	116	106	55
BH-10 Loc149							89	3	43	38	23
BH-33 Loc 148								97	16	15	5
BH-01 Loc 147									218	187	88
BH-29 Loc 146										638	200
BH-31 Loc 145											491

Table A-5: Total Read at Origin – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	625	625	625	625	625	625	625	625	625	625	625
BH-29 Loc 146		951	951	951	951	951	951	951	951	951	951
BH-01 Loc 147			393	393	393	393	393	393	393	393	393
BH-33 Loc 148				96	96	96	96	96	96	96	96
BH-10 Loc149					197	197	197	197	197	197	197
BH-42 Loc 150						380	380	380	380	380	380
BH-44 Loc 152							784	784	784	784	784
BH-73 Loc 153								653	653	653	653
BH-81 Loc 154									1221	1221	1221
BH-69 Loc 155										1430	1430
BH-27 Loc 156											203

Table A-6: Total Read at Origin – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	1318	1318	1318	1318	1318	1318	1318	1318	1318	1318	1318
BH-69 Loc 155		148	148	148	148	148	148	148	148	148	148
BH-81 Loc 154			1129	1129	1129	1129	1129	1129	1129	1129	1129
BH-73 Loc 153				463	463	463	463	463	463	463	463
BH-44 Loc 152					521	521	521	521	521	521	521
BH-42 Loc 150						228	228	228	228	228	228
BH-10 Loc149							89	89	89	89	89
BH-33 Loc 148								97	97	97	97
BH-01 Loc 147									218	218	218
BH-29 Loc 146										638	638
BH-31 Loc 145											491

US 67 Bluetooth Origin-Destination Data Summary: Tuesday

Table A-7: Origin-Destination Percentages – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	100%	32%	14%	0%	5%	6%	6%	5%	0%	3%	1%
BH-29 Loc 146		100%	23%	2%	6%	11%	10%	9%	0%	4%	2%
BH-01 Loc 147			100%	7%	20%	40%	39%	34%	0%	17%	11%
BH-33 Loc 148				100%	1%	16%	13%	4%	0%	0%	4%
BH-10 Loc149					100%	8%	8%	5%	1%	2%	4%
BH-42 Loc 150						100%	48%	38%	0%	17%	14%
BH-44 Loc 152							100%	48%	0%	14%	26%
BH-73 Loc 153								100%	1%	19%	42%
BH-81 Loc 154									100%	2%	97%
BH-69 Loc 155										100%	0%
BH-27 Loc 156											100%

Table A-8: Origin-Destination Percentages – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	100%	0%	90%	10%	8%	2%	0%	0%	1%	1%	0%
BH-69 Loc 155		100%	20%	69%	56%	28%	0%	0%	28%	30%	19%
BH-81 Loc 154			100%	0%	0%	0%	0%	0%	0%	0%	0%
BH-73 Loc 153				100%	64%	24%	1%	2%	19%	19%	10%
BH-44 Loc 152					100%	28%	1%	5%	18%	17%	9%
BH-42 Loc 150						100%	5%	16%	49%	46%	22%
BH-10 Loc149							100%	3%	39%	38%	25%
BH-33 Loc 148								100%	16%	13%	4%
BH-01 Loc 147									100%	85%	42%
BH-29 Loc 146										100%	29%
BH-31 Loc 145											100%

Table A-9: Origin-Destination Read – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	410	132	59	2	22	25	25	22	0	14	4
BH-29 Loc 146		665	150	13	37	70	66	58	0	29	16
BH-01 Loc 147			189	13	38	76	73	65	0	32	20
BH-33 Loc 148				116	1	19	15	5	0	0	5
BH-10 Loc149					131	10	11	6	1	2	5
BH-42 Loc 150						190	91	73	0	33	26
BH-44 Loc 152							529	252	2	75	140
BH-73 Loc 153								420	6	79	175
BH-81 Loc 154									1327	28	1293
BH-69 Loc 155										1480	0
BH-27 Loc 156											119

Table A-10: Origin-Destination Read – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	1613	0	1446	155	125	36	3	6	22	18	7
BH-69 Loc 155		134	27	93	75	37	0	0	37	40	25
BH-81 Loc 154			1476	3	1	1	0	0	1	2	0
BH-73 Loc 153				382	243	92	4	7	73	72	39
BH-44 Loc 152					438	123	5	23	80	75	40
BH-42 Loc 150						191	10	31	93	88	42
BH-10 Loc149							77	2	30	29	19
BH-33 Loc 148								126	20	16	5
BH-01 Loc 147									189	161	79
BH-29 Loc 146										535	155
BH-31 Loc 145											372

Table A-11: Total Read at Origin – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	410	410	410	410	410	410	410	410	410	410	410
BH-29 Loc 146		665	665	665	665	665	665	665	665	665	665
BH-01 Loc 147			189	189	189	189	189	189	189	189	189
BH-33 Loc 148				116	116	116	116	116	116	116	116
BH-10 Loc149					131	131	131	131	131	131	131
BH-42 Loc 150						190	190	190	190	190	190
BH-44 Loc 152							529	529	529	529	529
BH-73 Loc 153								420	420	420	420
BH-81 Loc 154									1327	1327	1327
BH-69 Loc 155										1480	1480
BH-27 Loc 156											119

Table A-12: Total Read at Origin – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	1613	1613	1613	1613	1613	1613	1613	1613	1613	1613	1613
BH-69 Loc 155		134	134	134	134	134	134	134	134	134	134
BH-81 Loc 154			1476	1476	1476	1476	1476	1476	1476	1476	1476
BH-73 Loc 153				382	382	382	382	382	382	382	382
BH-44 Loc 152					438	438	438	438	438	438	438
BH-42 Loc 150						191	191	191	191	191	191
BH-10 Loc149							77	77	77	77	77
BH-33 Loc 148								126	126	126	126
BH-01 Loc 147									189	189	189
BH-29 Loc 146										535	535
BH-31 Loc 145											372

US 67 Bluetooth Origin-Destination Data Summary: Wednesday

Table A-13: Origin-Destination Percentages – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	100%	31%	16%	0%	4%	10%	10%	8%	0%	5%	3%
BH-29 Loc 146		100%	28%	1%	6%	16%	15%	12%	1%	6%	5%
BH-01 Loc 147			100%	4%	17%	49%	45%	37%	2%	17%	16%
BH-33 Loc 148				100%	4%	30%	9%	2%	0%	0%	2%
BH-10 Loc149					100%	5%	4%	4%	2%	2%	4%
BH-42 Loc 150						100%	49%	39%	0%	17%	17%
BH-44 Loc 152							100%	44%	0%	14%	25%
BH-73 Loc 153								100%	1%	24%	46%
BH-81 Loc 154									100%	2%	98%
BH-69 Loc 155										100%	0%
BH-27 Loc 156											100%

Table A-14: Origin-Destination Percentages – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	100%	0%	92%	8%	6%	2%	0%	0%	1%	1%	0%
BH-69 Loc 155		100%	16%	80%	66%	41%	0%	0%	37%	41%	31%
BH-81 Loc 154			100%	0%	0%	0%	0%	0%	0%	0%	0%
BH-73 Loc 153				100%	71%	35%	0%	1%	31%	32%	20%
BH-44 Loc 152					100%	35%	0%	4%	27%	26%	15%
BH-42 Loc 150						100%	2%	19%	56%	53%	32%
BH-10 Loc149							100%	6%	61%	56%	35%
BH-33 Loc 148								100%	13%	13%	8%
BH-01 Loc 147									100%	90%	53%
BH-29 Loc 146										100%	41%
BH-31 Loc 145											100%

Table A-15: Origin-Destination Read – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	398	122	65	1	15	40	39	32	1	18	13
BH-29 Loc 146		540	153	7	30	85	79	65	3	30	27
BH-01 Loc 147			187	8	32	92	84	70	3	32	30
BH-33 Loc 148				104	4	31	9	2	0	0	2
BH-10 Loc149					93	5	4	4	2	2	4
BH-42 Loc 150						208	102	82	0	35	36
BH-44 Loc 152							535	234	0	74	133
BH-73 Loc 153								349	5	84	159
BH-81 Loc 154									1617	34	1578
BH-69 Loc 155										1751	0
BH-27 Loc 156											133

Table A-16: Origin-Destination Read – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	1887	0	1737	142	104	30	1	4	22	20	7
BH-69 Loc 155		179	28	143	119	74	0	0	67	73	55
BH-81 Loc 154			1771	5	4	0	1	0	0	0	0
BH-73 Loc 153				403	287	143	1	4	126	128	81
BH-44 Loc 152					504	175	1	21	136	129	78
BH-42 Loc 150						259	5	50	145	138	83
BH-10 Loc149							82	5	50	46	29
BH-33 Loc 148								132	17	17	11
BH-01 Loc 147									247	223	130
BH-29 Loc 146										533	219
BH-31 Loc 145											442

Table A-17: Total Read at Origin – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	398	398	398	398	398	398	398	398	398	398	398
BH-29 Loc 146		540	540	540	540	540	540	540	540	540	540
BH-01 Loc 147			187	187	187	187	187	187	187	187	187
BH-33 Loc 148				104	104	104	104	104	104	104	104
BH-10 Loc149					93	93	93	93	93	93	93
BH-42 Loc 150						208	208	208	208	208	208
BH-44 Loc 152							535	535	535	535	535
BH-73 Loc 153								349	349	349	349
BH-81 Loc 154									1617	1617	1617
BH-69 Loc 155										1751	1751
BH-27 Loc 156											133

Table A-18: Total Read at Origin – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	1887	1887	1887	1887	1887	1887	1887	1887	1887	1887	1887
BH-69 Loc 155		179	179	179	179	179	179	179	179	179	179
BH-81 Loc 154			1771	1771	1771	1771	1771	1771	1771	1771	1771
BH-73 Loc 153				403	403	403	403	403	403	403	403
BH-44 Loc 152					504	504	504	504	504	504	504
BH-42 Loc 150						259	259	259	259	259	259
BH-10 Loc149							82	82	82	82	82
BH-33 Loc 148								132	132	132	132
BH-01 Loc 147									247	247	247
BH-29 Loc 146										533	533
BH-31 Loc 145											442

US 67 Bluetooth Origin-Destination Data Summary: Thursday

Table A-19: Origin-Destination Percentages – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	100%	31%	15%	1%	3%	9%	9%	8%	0%	5%	4%
BH-29 Loc 146		100%	24%	2%	5%	13%	12%	10%	0%	6%	4%
BH-01 Loc 147			100%	9%	18%	51%	46%	40%	0%	22%	15%
BH-33 Loc 148				100%	3%	16%	6%	1%	0%	0%	1%
BH-10 Loc149					100%	6%	6%	5%	0%	3%	3%
BH-42 Loc 150						100%	49%	39%	0%	18%	17%
BH-44 Loc 152							100%	55%	0%	17%	33%
BH-73 Loc 153								100%	0%	27%	55%
BH-81 Loc 154									100%	2%	98%
BH-69 Loc 155										100%	0%
BH-27 Loc 156											100%

Table A-20: Origin-Destination Percentages – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	100%	0%	91%	8%	6%	2%	0%	0%	1%	1%	1%
BH-69 Loc 155		100%	13%	82%	69%	37%	0%	1%	37%	38%	31%
BH-81 Loc 154			100%	0%	0%	0%	0%	0%	0%	0%	0%
BH-73 Loc 153				100%	76%	34%	0%	1%	31%	30%	20%
BH-44 Loc 152					100%	35%	0%	3%	29%	27%	18%
BH-42 Loc 150						100%	1%	11%	61%	58%	38%
BH-10 Loc149							100%	2%	58%	51%	44%
BH-33 Loc 148								100%	15%	15%	6%
BH-01 Loc 147									100%	92%	58%
BH-29 Loc 146										100%	42%
BH-31 Loc 145											100%

Table A-21: Origin-Destination Read – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	356	109	52	2	11	33	32	29	0	17	13
BH-29 Loc 146		478	113	11	23	62	56	49	0	27	20
BH-01 Loc 147			125	11	23	64	58	50	0	27	19
BH-33 Loc 148				90	3	14	5	1	0	0	1
BH-10 Loc149					78	5	5	4	0	2	2
BH-42 Loc 150						163	80	64	0	30	28
BH-44 Loc 152							365	200	0	61	122
BH-73 Loc 153								277	0	75	151
BH-81 Loc 154									1285	27	1258
BH-69 Loc 155										1416	0
BH-27 Loc 156											107

Table A-22: Origin-Destination Read – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	1764	0	1612	144	107	34	1	2	25	22	9
BH-69 Loc 155		157	21	128	109	58	0	1	58	60	49
BH-81 Loc 154			1636	3	3	1	0	0	1	1	1
BH-73 Loc 153				343	261	116	0	4	105	103	70
BH-44 Loc 152					375	133	1	10	108	103	68
BH-42 Loc 150						190	2	21	116	110	72
BH-10 Loc149							55	1	32	28	24
BH-33 Loc 148								99	15	15	6
BH-01 Loc 147									191	176	110
BH-29 Loc 146										474	201
BH-31 Loc 145											399

Table A-23: Total Read at Origin – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	356	356	356	356	356	356	356	356	356	356	356
BH-29 Loc 146		478	478	478	478	478	478	478	478	478	478
BH-01 Loc 147			125	125	125	125	125	125	125	125	125
BH-33 Loc 148				90	90	90	90	90	90	90	90
BH-10 Loc149					78	78	78	78	78	78	78
BH-42 Loc 150						163	163	163	163	163	163
BH-44 Loc 152							365	365	365	365	365
BH-73 Loc 153								277	277	277	277
BH-81 Loc 154									1285	1285	1285
BH-69 Loc 155										1416	1416
BH-27 Loc 156											107

Table A-24: Total Read at Origin – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	1764	1764	1764	1764	1764	1764	1764	1764	1764	1764	1764
BH-69 Loc 155		157	157	157	157	157	157	157	157	157	157
BH-81 Loc 154			1636	1636	1636	1636	1636	1636	1636	1636	1636
BH-73 Loc 153				343	343	343	343	343	343	343	343
BH-44 Loc 152					375	375	375	375	375	375	375
BH-42 Loc 150						190	190	190	190	190	190
BH-10 Loc149							55	55	55	55	55
BH-33 Loc 148								99	99	99	99
BH-01 Loc 147									191	191	191
BH-29 Loc 146										474	474
BH-31 Loc 145											399

US 67 Bluetooth Origin-Destination Data Summary: Friday

Table A-25: Origin-Destination Percentages – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	100%	26%	13%	0%	3%	8%	7%	5%	0%	2%	2%
BH-29 Loc 146		100%	23%	2%	4%	14%	12%	9%	0%	4%	3%
BH-01 Loc 147			100%	5%	15%	51%	44%	34%	0%	16%	13%
BH-33 Loc 148				100%	2%	21%	11%	4%	0%	1%	3%
BH-10 Loc149					100%	4%	6%	4%	0%	0%	4%
BH-42 Loc 150						100%	50%	38%	0%	16%	16%
BH-44 Loc 152							100%	59%	1%	17%	36%
BH-73 Loc 153								100%	1%	21%	52%
BH-81 Loc 154									100%	2%	98%
BH-69 Loc 155										100%	0%
BH-27 Loc 156											100%

Table A-26: Origin-Destination Percentages – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	100%	0%	89%	10%	8%	3%	0%	0%	2%	2%	1%
BH-69 Loc 155		100%	13%	85%	74%	40%	1%	0%	39%	37%	25%
BH-81 Loc 154			100%	0%	0%	0%	0%	0%	0%	0%	0%
BH-73 Loc 153				100%	75%	34%	1%	1%	31%	28%	18%
BH-44 Loc 152					100%	40%	1%	3%	32%	28%	19%
BH-42 Loc 150						100%	3%	8%	64%	55%	36%
BH-10 Loc149							100%	3%	61%	57%	40%
BH-33 Loc 148								100%	13%	13%	1%
BH-01 Loc 147									100%	86%	53%
BH-29 Loc 146										100%	41%
BH-31 Loc 145											100%

Table A-27: Origin-Destination Read – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	485	125	62	1	13	38	35	26	0	11	10
BH-29 Loc 146		572	133	9	24	80	69	53	0	25	19
BH-01 Loc 147			169	9	25	87	75	58	0	27	22
BH-33 Loc 148				96	2	20	11	4	0	1	3
BH-10 Loc149					89	4	5	4	0	0	4
BH-42 Loc 150						188	94	71	0	30	31
BH-44 Loc 152							399	237	3	66	144
BH-73 Loc 153								338	3	70	176
BH-81 Loc 154									1005	17	985
BH-69 Loc 155										1168	0
BH-27 Loc 156											94

Table A-28: Origin-Destination Read – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	1507	0	1347	156	125	39	5	2	33	27	12
BH-69 Loc 155		153	20	130	113	61	1	0	59	56	39
BH-81 Loc 154			1370	3	2	1	0	0	1	1	1
BH-73 Loc 153				382	287	129	4	3	117	108	68
BH-44 Loc 152					410	164	5	11	133	116	76
BH-42 Loc 150						225	6	19	143	124	80
BH-10 Loc149							90	3	55	51	36
BH-33 Loc 148								100	13	13	1
BH-01 Loc 147									282	243	149
BH-29 Loc 146										596	246
BH-31 Loc 145											532

Table A-29: Total Read at Origin – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	485	485	485	485	485	485	485	485	485	485	485
BH-29 Loc 146		572	572	572	572	572	572	572	572	572	572
BH-01 Loc 147			169	169	169	169	169	169	169	169	169
BH-33 Loc 148				96	96	96	96	96	96	96	96
BH-10 Loc149					89	89	89	89	89	89	89
BH-42 Loc 150						188	188	188	188	188	188
BH-44 Loc 152							399	399	399	399	399
BH-73 Loc 153								338	338	338	338
BH-81 Loc 154									1005	1005	1005
BH-69 Loc 155										1168	1168
BH-27 Loc 156											94

Table A-30: Total Read at Origin – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	1507	1507	1507	1507	1507	1507	1507	1507	1507	1507	1507
BH-69 Loc 155		153	153	153	153	153	153	153	153	153	153
BH-81 Loc 154			1370	1370	1370	1370	1370	1370	1370	1370	1370
BH-73 Loc 153				382	382	382	382	382	382	382	382
BH-44 Loc 152					410	410	410	410	410	410	410
BH-42 Loc 150						225	225	225	225	225	225
BH-10 Loc149							90	90	90	90	90
BH-33 Loc 148								100	100	100	100
BH-01 Loc 147									282	282	282
BH-29 Loc 146										596	596
BH-31 Loc 145											532

US 67 Bluetooth Origin-Destination Data Summary: Saturday

Table A-31: Origin-Destination Percentages – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	100%	21%	13%	0%	3%	9%	8%	8%	0%	3%	4%
BH-29 Loc 146		100%	20%	1%	5%	13%	12%	11%	0%	5%	4%
BH-01 Loc 147			100%	2%	24%	58%	55%	50%	0%	22%	18%
BH-33 Loc 148				100%	2%	10%	4%	2%	1%	0%	1%
BH-10 Loc149					100%	2%	7%	7%	4%	5%	6%
BH-42 Loc 150						100%	51%	46%	0%	20%	16%
BH-44 Loc 152							100%	50%	0%	18%	24%
BH-73 Loc 153								100%	1%	27%	41%
BH-81 Loc 154									100%	1%	98%
BH-69 Loc 155										100%	0%
BH-27 Loc 156											100%

Table A-32: Origin-Destination Percentages – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	100%	0%	94%	6%	5%	2%	0%	0%	1%	1%	1%
BH-69 Loc 155		100%	8%	88%	68%	42%	0%	1%	41%	44%	36%
BH-81 Loc 154			100%	0%	0%	0%	0%	0%	0%	0%	0%
BH-73 Loc 153				100%	75%	40%	1%	1%	36%	37%	28%
BH-44 Loc 152					100%	45%	1%	4%	35%	32%	24%
BH-42 Loc 150						100%	3%	12%	62%	58%	41%
BH-10 Loc149							100%	0%	58%	55%	35%
BH-33 Loc 148								100%	14%	14%	11%
BH-01 Loc 147									100%	91%	60%
BH-29 Loc 146										100%	43%
BH-31 Loc 145											100%

Table A-33: Origin-Destination Read – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	560	120	70	0	18	50	46	44	0	17	24
BH-29 Loc 146		666	135	4	36	88	80	76	0	33	28
BH-01 Loc 147			165	4	40	96	90	83	0	36	30
BH-33 Loc 148				105	2	11	4	2	1	0	1
BH-10 Loc149					111	2	8	8	4	5	7
BH-42 Loc 150						184	93	84	0	36	30
BH-44 Loc 152							399	201	0	70	95
BH-73 Loc 153								293	3	79	121
BH-81 Loc 154									1049	15	1031
BH-69 Loc 155										1161	0
BH-27 Loc 156											101

Table A-34: Origin-Destination Read – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	1899	0	1780	114	90	36	1	2	25	23	16
BH-69 Loc 155		116	9	102	79	49	0	1	48	51	42
BH-81 Loc 154			1790	1	1	0	0	0	0	0	0
BH-73 Loc 153				295	222	119	2	4	107	108	82
BH-44 Loc 152					327	146	2	12	113	106	78
BH-42 Loc 150						197	6	23	123	114	81
BH-10 Loc149							69	0	40	38	24
BH-33 Loc 148								95	13	13	10
BH-01 Loc 147									198	180	119
BH-29 Loc 146										444	190
BH-31 Loc 145											382

Table A-35: Total Read at Origin – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	560	560	560	560	560	560	560	560	560	560	560
BH-29 Loc 146		666	666	666	666	666	666	666	666	666	666
BH-01 Loc 147			165	165	165	165	165	165	165	165	165
BH-33 Loc 148				105	105	105	105	105	105	105	105
BH-10 Loc149					111	111	111	111	111	111	111
BH-42 Loc 150						184	184	184	184	184	184
BH-44 Loc 152							399	399	399	399	399
BH-73 Loc 153								293	293	293	293
BH-81 Loc 154									1049	1049	1049
BH-69 Loc 155										1161	1161
BH-27 Loc 156											101

Table A-36: Total Read at Origin – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	1899	1899	1899	1899	1899	1899	1899	1899	1899	1899	1899
BH-69 Loc 155		116	116	116	116	116	116	116	116	116	116
BH-81 Loc 154			1790	1790	1790	1790	1790	1790	1790	1790	1790
BH-73 Loc 153				295	295	295	295	295	295	295	295
BH-44 Loc 152					327	327	327	327	327	327	327
BH-42 Loc 150						197	197	197	197	197	197
BH-10 Loc149							69	69	69	69	69
BH-33 Loc 148								95	95	95	95
BH-01 Loc 147									198	198	198
BH-29 Loc 146										444	444
BH-31 Loc 145											382

US 67 Bluetooth Origin-Destination Data Summary: Sunday

Table A-37: Origin-Destination Percentages – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	100%	44%	31%	0%	7%	21%	20%	18%	0%	11%	3%
BH-29 Loc 146		100%	40%	1%	7%	28%	26%	22%	0%	13%	3%
BH-01 Loc 147			100%	3%	18%	64%	62%	53%	0%	32%	8%
BH-33 Loc 148				100%	5%	15%	7%	1%	0%	0%	1%
BH-10 Loc149					100%	5%	10%	9%	0%	3%	4%
BH-42 Loc 150						100%	72%	60%	0%	35%	12%
BH-44 Loc 152							100%	55%	0%	24%	19%
BH-73 Loc 153								100%	0%	31%	30%
BH-81 Loc 154									100%	1%	99%
BH-69 Loc 155										100%	0%
BH-27 Loc 156											100%

Table A-38: Origin-Destination Percentages – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	100%	0%	92%	8%	6%	2%	0%	0%	1%	1%	1%
BH-69 Loc 155		100%	19%	73%	58%	30%	1%	0%	28%	27%	15%
BH-81 Loc 154			100%	0%	0%	0%	0%	0%	0%	0%	0%
BH-73 Loc 153				100%	61%	26%	0%	0%	22%	19%	10%
BH-44 Loc 152					100%	29%	1%	2%	21%	18%	10%
BH-42 Loc 150						100%	2%	12%	55%	48%	26%
BH-10 Loc149							100%	3%	61%	59%	37%
BH-33 Loc 148								100%	13%	13%	8%
BH-01 Loc 147									100%	85%	47%
BH-29 Loc 146										100%	32%
BH-31 Loc 145											100%

Table A-39: Origin-Destination Read – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	764	334	237	3	53	164	156	135	0	87	22
BH-29 Loc 146		1119	443	16	81	310	292	249	0	148	39
BH-01 Loc 147			504	17	89	325	311	266	0	161	42
BH-33 Loc 148				151	8	23	10	2	0	0	2
BH-10 Loc149					156	8	15	14	0	5	7
BH-42 Loc 150						460	333	278	0	160	53
BH-44 Loc 152							949	520	1	227	181
BH-73 Loc 153								775	2	244	230
BH-81 Loc 154									2058	20	2036
BH-69 Loc 155										2280	0
BH-27 Loc 156											276

Table A-40: Origin-Destination Read – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	1776	0	1630	135	101	30	1	1	24	20	11
BH-69 Loc 155		120	23	87	70	36	1	0	34	32	18
BH-81 Loc 154			1656	3	1	1	1	0	2	2	1
BH-73 Loc 153				358	219	92	1	1	80	69	37
BH-44 Loc 152					392	113	2	9	83	72	38
BH-42 Loc 150						170	3	21	94	81	44
BH-10 Loc149							59	2	36	35	22
BH-33 Loc 148								104	14	13	8
BH-01 Loc 147									187	159	88
BH-29 Loc 146										440	142
BH-31 Loc 145											327

Table A-41: Total Read at Origin – Northbound or Eastbound

Origin\ Destination	BH-31 Loc 145	BH-29 Loc 146	BH-01 Loc 147	BH-33 Loc 148	BH-10 Loc 149	BH-42 Loc 150	BH-44 Loc 152	BH-73 Loc 153	BH-81 Loc 154	BH-69 Loc 155	BH-27 Loc 156
BH-31 Loc 145	764	764	764	764	764	764	764	764	764	764	764
BH-29 Loc 146		1119	1119	1119	1119	1119	1119	1119	1119	1119	1119
BH-01 Loc 147			504	504	504	504	504	504	504	504	504
BH-33 Loc 148				151	151	151	151	151	151	151	151
BH-10 Loc149					156	156	156	156	156	156	156
BH-42 Loc 150						460	460	460	460	460	460
BH-44 Loc 152							949	949	949	949	949
BH-73 Loc 153								775	775	775	775
BH-81 Loc 154									2058	2058	2058
BH-69 Loc 155										2280	2280
BH-27 Loc 156											276

Table A-42: Total Read at Origin – Southbound or Westbound

Origin\ Destination	BH-27 Loc 156	BH-69 Loc 155	BH-81 Loc 154	BH-73 Loc 153	BH-44 Loc 152	BH-42 Loc 150	BH-10 Loc 149	BH-33 Loc 148	BH-01 Loc 147	BH-29 Loc 146	BH-31 Loc 145
BH-27 Loc 156	1776	1776	1776	1776	1776	1776	1776	1776	1776	1776	1776
BH-69 Loc 155		120	120	120	120	120	120	120	120	120	120
BH-81 Loc 154			1656	1656	1656	1656	1656	1656	1656	1656	1656
BH-73 Loc 153				358	358	358	358	358	358	358	358
BH-44 Loc 152					392	392	392	392	392	392	392
BH-42 Loc 150						170	170	170	170	170	170
BH-10 Loc149							59	59	59	59	59
BH-33 Loc 148								104	104	104	104
BH-01 Loc 147									187	187	187
BH-29 Loc 146										440	440
BH-31 Loc 145											327

13 FT 7 IN
Texas Department of Transportation
PRESIDIO TEXAS
CITY of ALPINE
BREWSTER COUNTY
1882
THE CITY OF MARFA
MARFA TEXAS
OUR 67
US 67 CORRIDOR
MASTER PLAN