

**SHEET 10  
LTPP TRAFFIC DATA**

**TRAFFIC VOLUME AND LOAD  
ESTIMATE UPDATE-NO SITE COUNT**

\*STATE ASSIGNED ID [ ]  
 \*STATE CODE [ 59 ]  
 \*SHRP SECTION ID [ 1004 ]

**1. ANNUAL TRAFFIC ESTIMATES**

*YEAR	ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	ESTIMATED TOTAL VEHICLES AADT LTPP LANE	*ESTIMATED TOTAL TRUCKS AADT LTPP LANE	*ESTIMATED ESAL=S/YR LTPP LANE (1000'S)
<u>2006</u>	<u>10891</u>	<u>454</u>	<u>5445</u>	<u>227</u>	<u>75</u>

**2. METHOD FOR ESTIMATING TOTAL VEHICLE  
AADT (TWO-WAY)**

- ☒ Growth factored last year=s estimate. (6)  
☐ Estimated based on volume counts at nearby locations. (3)  
☐ Used computerized network analyses. (4)  
☐ Factored a single count taken this year at the LTPP site. (1)  
☐ Average multiple counts taken this year at the LTPP site. (2)  
☐ Average and factored multiple count taken this year at the LTPP site. (5)  
☐ Used flow maps. (7)  
☐ Other: (8) \_\_\_\_\_

**3. METHOD FOR ESTIMATING TOTAL TRUCK  
AADT (TWO-WAY)**

- ☐ Used system averages from counts taken this year. (6)  
☐ Used count data from nearby sites. (3)  
☐ Used count data from previous years at the LTPP site. (7)  
☒ Used system averages from previous years. (8)  
☐ Used computerized network analyses. (4)  
☐ Used a single count taken this year at the LTPP site. (5)  
☐ Factored a single count taken this year at the LTPP site. (1)  
☐ Averaged multiple counts taken this year at the LTPP site. (2)  
☐ Other: (9) \_\_\_\_\_

**4. METHOD FOR ESTIMATING TOTAL VEHICLES  
LTPP LANE AADT**

- ☐ System distribution factors. (2)  
☐ Based on actual lane count data. (1)  
☒ Other: (3) \_\_\_\_\_

**\*5. METHOD FOR ESTIMATING TOTAL TRUCKS,  
LTPP LANE, AADT**

- ☐ System distribution factors. (2)  
☐ Based on actual lane data count. (1)  
☒ Other: (3) \_\_\_\_\_

**\*6. METHOD FOR ESTIMATING ESAL//YEAR  
IN LTPP LANE**

- ☒ ESAL/Truck factor (1)  
☐ ESAL/Vehicle class. (2) (No. of classes)  
☐ ESAL/Axle(3) Sing. \_\_\_\_\_ Tand. \_\_\_\_\_ Tri. \_\_\_\_\_  
☐ Other: (4) \_\_\_\_\_

**7. ESAL ESTIMATES - SOURCE OF DATA**

- ☐ Weight data collected at LTPP site prior years. (2)  
☐ Weight data from system averages this year. (3)  
☒ Weight data from system averages prior years. (4)  
☐ Weight data from historic W-4 Tables used. (5)  
☐ Other: (6) \_\_\_\_\_

**8. WEIGHT SCALE TYPE**

- ☐ WIM scale. (1)  
☐ Static scale used for enforcement. (2)  
☒ Static scale not used for enforcement. (3)  
☐ Other: (4) \_\_\_\_\_

NAME OF PREPARER AS PHONE# \_\_\_\_\_  
 DATE PREPARED May 06/09 rev. March 12, 2001

<b>SHEET 11</b> <b>LTPP TRAFFIC DATA</b>  <b>VOLUME DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ 6 0 0 5 ]
	*STATE CODE	[ 5 0 ]
	*SHRP SECTION ID	[ 1 0 0 4 ]

HIGHWAY RT. NO. (THIS COUNT) US 2 MILEPOST NO. (THIS COUNT) 03.55

LOCATION (THIS COUNT) South Hero, Vermont

FILENAME V501004.C1G DISK ID \_\_\_\_\_

BEGINNING DATE 01Jan06 BEGINNING TIME 00:00

ENDING DATE 30Sep06 ENDING TIME 24:00

TYPE OF COUNT: TWO-WAY ☒ ONE-WAY \_\_\_\_\_ LTPP LANE \_\_\_\_\_

COUNT DURATION 9 [ ] HOURS [ ] DAYS [X] MONTHS

TYPE OF SENSOR: \_\_\_\_\_ ROAD TUBES ☒ PIEZO CABLE

\_\_\_\_\_ PIEZO FILM \_\_\_\_\_ LOOPS \_\_\_\_\_ OTHER \_\_\_\_\_

EQUIPMENT MANUFACTURER/MODEL # IRD WIM

AXLE CORRECTION FACTOR \_\_\_\_\_ STANDARD DEV. OF FACTOR \_\_\_\_\_

MONTHLY/SEASONAL FACTOR \_\_\_\_\_ STANDARD DEV. OF FACTOR \_\_\_\_\_

DAY-OF-WEEK FACTOR \_\_\_\_\_ STANDARD DEV. OF FACTOR \_\_\_\_\_

OTHER FACTOR \_\_\_\_\_ STANDARD DEV. OF FACTOR \_\_\_\_\_

SPECIFY \_\_\_\_\_

DISTRIBUTION FACTOR FOR LTPP LANE \_\_\_\_\_  
(WHEN NOT AVAILABLE FROM ACTUAL COUNT DATA)

SOURCE OF LTPP LANE DISTRIBUTION FACTOR ESTIMATE \_\_\_\_\_

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.**

NAME OF PREPARER <u>John W. Blodgett</u>	PHONE# <u>802 828-3972</u>
DATE PREPARED <u>06Oct06</u>	rev. November 9, 1999

<b>SHEET 11</b> <b>LTPP TRAFFIC DATA</b>  <b>VOLUME DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ 6 0 0 5 ]
	*STATE CODE	[ 5 0 ]
	*SHRP SECTION ID	[ 1 0 0 4 ]

HIGHWAY RT. NO. (THIS COUNT) US 2 MILEPOST NO. (THIS COUNT) 03.55

LOCATION (THIS COUNT) South Hero, Vermont

FILENAME V501004.LIG DISK ID \_\_\_\_\_

BEGINNING DATE 01Oct06 BEGINNING TIME 00:00

ENDING DATE 31Dec06 ENDING TIME 24:00

TYPE OF COUNT: TWO-WAY ☒ ONE-WAY \_\_\_\_\_ LTPP LANE \_\_\_\_\_

COUNT DURATION 3 [ ] HOURS [ ] DAYS [X] MONTHS

TYPE OF SENSOR: \_\_\_\_\_ ROAD TUBES ☒ PIEZO CABLE

\_\_\_\_\_ PIEZO FILM \_\_\_\_\_ LOOPS \_\_\_\_\_ OTHER \_\_\_\_\_

EQUIPMENT MANUFACTURER/MODEL # IRD WIM

AXLE CORRECTION FACTOR \_\_\_\_\_ STANDARD DEV. OF FACTOR \_\_\_\_\_

MONTHLY/SEASONAL FACTOR \_\_\_\_\_ STANDARD DEV. OF FACTOR \_\_\_\_\_

DAY-OF-WEEK FACTOR \_\_\_\_\_ STANDARD DEV. OF FACTOR \_\_\_\_\_

OTHER FACTOR \_\_\_\_\_ STANDARD DEV. OF FACTOR \_\_\_\_\_

SPECIFY \_\_\_\_\_

DISTRIBUTION FACTOR FOR LTPP LANE \_\_\_\_\_  
(WHEN NOT AVAILABLE FROM ACTUAL COUNT DATA)

SOURCE OF LTPP LANE DISTRIBUTION FACTOR ESTIMATE \_\_\_\_\_

COMMENTS: \_\_\_\_\_

**FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.**

NAME OF PREPARER <u>John W. Blodgett</u>	PHONE# <u>802 828-3972</u>
DATE PREPARED <u>08Jun07</u>	rev. November 9, 1999

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[G 0 0 5]
	*STATE CODE	[5 0]
	*SHRP SECTION ID	[1 0 0 4]

HIGHWAY RT. NO. (THIS COUNT) US 2

MILEPOST NO. OR LOCATION (THIS COUNT) South Hero, Vermont mm 03.55

FILENAME C501004.C1G DISK ID \_\_\_\_\_

BEGINNING DATE 01Jan06 BEGINNING TIME 00:00

ENDING DATE 30Sep06 ENDING TIME 24:00

COUNT DURATION 9 [ ] HOURS [ ] DAYS [☒] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER \_\_\_\_\_

NAME OF AGENCY CLASSIFICATION SCHEME: \_\_\_\_\_ NO. OF BINS \_\_\_\_\_

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACH SHEET 6 DESCRIBING THE VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW THE AGENCY WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 BIN SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE \_\_\_\_\_ PERMANENT ☒ \_\_\_\_\_

EQUIPMENT MAKE/MODEL# IRD WIM

SENSOR TYPE Piezo Electric

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS: \_\_\_\_\_

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OF CLASS GROUPS) \_\_\_\_\_

COMMENTS \_\_\_\_\_

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>John W. Blodgett</u>	PHONE <u>802 828-3972</u>
DATE PREPARED <u>06Oct06</u>	revised November 11, 1999

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[G 0 0 5]
	*STATE CODE	[5 0]
	*SHRP SECTION ID	[1 0 0 4]

HIGHWAY RT. NO. (THIS COUNT) US 2

MILEPOST NO. OR LOCATION (THIS COUNT) South Hero, Vermont mm 03.55

FILENAME C501004.LIG DISK ID \_\_\_\_\_

BEGINNING DATE 01Oct06 BEGINNING TIME 00:00

ENDING DATE 31Dec06 ENDING TIME 24:00

COUNT DURATION 3 [ ] HOURS [ ] DAYS [☒] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER \_\_\_\_\_

NAME OF AGENCY CLASSIFICATION SCHEME: \_\_\_\_\_ NO. OF BINS \_\_\_\_\_

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACH SHEET 6 DESCRIBING THE VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW THE AGENCY WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 BIN SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE \_\_\_\_\_ PERMANENT ☒ \_\_\_\_\_

EQUIPMENT MAKE/MODEL# IRD WIM

SENSOR TYPE Piezo Electric

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS: \_\_\_\_\_

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OF CLASS GROUPS) \_\_\_\_\_

COMMENTS \_\_\_\_\_

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>John W. Blodgett</u>	PHONE <u>802 828-3972</u>
DATE PREPARED <u>08Jun07</u>	revised November 11, 1999

<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ <u>6</u> <u>0</u> <u>0</u> <u>5</u> ]
	*STATE CODE	[ <u>5</u> <u>0</u> ]
	*SHRP SECTION ID	[ <u>1</u> <u>0</u> <u>0</u> <u>4</u> ]

HIGHWAY RT. NO. (THIS SESSION) US 2

MILEPOST NO. OR LOCATION (THIS SESSION) 03.55

FILENAME W501004.CIG DISK ID \_\_\_\_\_

BEGINNING DATE 01Jan06 BEGINNING TIME 00:00

ENDING DATE 30Sep06 ENDING TIME 24:00

COUNT DURATION 9 [ ] HOURS [ ] DAYS [x] MONTHS

WEIGHT SCALE TYPE: PORT. WIM \_\_\_\_\_ PERM. WIM X OTHER \_\_\_\_\_

EQUIPMENT MAKE/MODEL# IRD WIM

SENSOR TYPE Piezo Electric

VEHICLE CLASSIFICATION METHOD:

7-card FHWA 13 bin in cols. 18-19 \_\_\_\_\_ 7-card FHWA 13 bin in cols. 22-23 \_\_\_\_\_  
 7-card 6 digit Truck Weight study \_\_\_\_\_ W-card X OTHER \_\_\_\_\_

NAME OF AGENCY CLASSIFICATION SCHEME: \_\_\_\_\_ NO. OF BINS \_\_\_\_\_

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACH SHEET 6 DESCRIBING THE VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW THE AGENCY WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

METHOD OF CALIBRATION AND FREQUENCY: Autocalibrate every 2 days

COMMENTS \_\_\_\_\_

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>John W. Blodgett</u>	PHONE <u>802 828-3972</u>
DATE PREPARED <u>06Oct06</u>	revised February 21,2000

<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ 6 0 0 5 ]
	*STATE CODE	[ 5 0 ]
	*SHRP SECTION ID	[ 1 0 0 4 ]

HIGHWAY RT. NO. (THIS SESSION) US 2

MILEPOST NO. OR LOCATION (THIS SESSION) 03.55

FILENAME W501004.LIG DISK ID \_\_\_\_\_

BEGINNING DATE 01Oct06 BEGINNING TIME 00:00

ENDING DATE 31Dec06 ENDING TIME 24:00

COUNT DURATION 3 [ ] HOURS [ ] DAYS [X] MONTHS

WEIGHT SCALE TYPE: PORT. WIM \_\_\_\_\_ PERM. WIM X OTHER \_\_\_\_\_

EQUIPMENT MAKE/MODEL# IRD WIM

SENSOR TYPE Piezo Electric

**VEHICLE CLASSIFICATION METHOD:**

7-card FHWA 13 bin in cols. 18-19 \_\_\_\_\_ 7-card FHWA 13 bin in cols. 22-23 \_\_\_\_\_

7-card 6 digit Truck Weight study \_\_\_\_\_ W-card X OTHER \_\_\_\_\_

NAME OF AGENCY CLASSIFICATION SCHEME: \_\_\_\_\_ NO. OF BINS \_\_\_\_\_

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACH SHEET 6 DESCRIBING THE VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW THE AGENCY WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

METHOD OF CALIBRATION AND FREQUENCY: Autocalibrate every 2 days

COMMENTS \_\_\_\_\_

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>John W. Blodgett</u>	PHONE <u>802 828-3972</u>
DATE PREPARED <u>08Jun07</u>	revised February 21,2000

INTER March 9, 2007

SHEET 16	* STATE ASSIGNED ID	[6005]
LTPP MONITORED TRAFFIC DATA	* STATE CODE	[50]
SITE CALIBRATION SUMMARY	* SHRP SECTION ID	[1004]

SITE CALIBRATION INFORMATION

TRF-88

1. \*DATE OF CALIBRATION (MONTH/DAY/YEAR)

[01/01/2006]

2. \*TYPE OF EQUIPMENT CALIBRATED

☒ WIM

☐ CLASSIFIER

☐ BOTH

3. \*REASON FOR CALIBRATION

☒ REGULARLY SCHEDULED SITE VISIT

☐ RESEARCH

☐ EQUIPMENT REPLACEMENT

☐ TRAINING

☐ DATA TRIGGERED SYSTEM REVISION

☐ NEW EQUIPMENT

INSTALLATION

☐ OTHER (SPECIFY)

autocalibration

4. \*SENSORS INSTALLED IN LTPP LANE AT THIS SITE (CHECK ALL THAT APPLY):

☐ BARE ROUND PIEZO CERAMIC

☐ BARE FLAT PIEZO

☐ BENDING PLATES

☐ CHANNELIZED ROUND PIEZO

☐ LOAD CELLS

☐ QUARTZ PIEZO

☐ CHANNELIZED FLAT PIEZO

☒ INDUCTANCE LOOPS

☐ CAPACITANCE PADS

☐ OTHER (SPECIFY)

Bare Round Piezo (not ceramic)

5. EQUIPMENT MANUFACTURER

IRD

WIM SYSTEM CALIBRATION SPECIFICS\*\*

6.\*\* CALIBRATION TECHNIQUE USED:

☒ TRAFFIC STREAM

☐ STATIC SCALE (Y / N)

☐ TEST TRUCKS

☐ NUMBER OF TRUCKS COMPARED

☐ NUMBER OF TEST TRUCKS

USED

TYPE PER FHWA 13 BIN SYSTEM	PASSES PER TRUCK	
	TRUCK	TYPE      SUSPENSION
SUSPENSION: 1 - AIR; 2 - LEAF SPRING 3 - OTHER (DESCRIBE)	1	
	2	
	3	SCANNED

7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)

MEAN DIFFERENCE BETWEEN ---

DYNAMIC AND STATIC GVW

STANDARD DEVIATION

DYNAMIC AND STATIC SINGLE AXLES

STANDARD DEVIATION

DYNAMIC AND STATIC DOUBLE AXLES

STANDARD DEVIATION

8. ☐ NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

9. DEFINE THE SPEED RANGES USED (MPH)

10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED)

11.\*\* IS AUTO-CALIBRATION USED AT THIS TIME? (Y / N)

Y

IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: FHWA class 9 mean front axle weight 10,000 pounds

CLASSIFIER TEST SPECIFICS\*\*\*

12.\*\*\*METHOD FOR COLLECTING INDEPENDENT VOLUME MEASUREMENT BY VEHICLE CLASS:

☐ VIDEO

☐ MANUAL

☐ PARALLEL CLASSIFIERS

13. METHOD TO DETERMINE LENGTH OF COUNT

☐ TIME

☐ NUMBER OF TRUCKS

14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:

\*\*\* FHWA CLASS 9

FHWA CLASS

\*\*\* FHWA CLASS 8

FHWA CLASS

FHWA CLASS

FHWA CLASS

\*\*\* PERCENT "UNCLASSIFIED" VEHICLES:

PERSON LEADING CALIBRATION EFFORT:	Dave Gosselin
CONTACT INFORMATION:	802 828-2694
	rev. November 9, 1999