

SHEET 10
LTPP TRAFFIC DATA

TRAFFIC VOLUME AND LOAD
ESTIMATE UPDATE-NO SITE COUNT

*STATE ASSIGNED ID [0188] sb
*STATE CODE [29]
*SHRP SECTION ID [0609]
6015

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)
2009	13080	3935	5249	1882	961

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)
☐ Averaged multiple counts taken this year at the LTPP
site. (2)
☐ Averaged 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 MB Anthony PHONE # (573) 751-3702
DATE PREPARED 05/28/10 rev. March 12, 2001

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[0188] sb
	*STATE CODE	[29]
	*SHRP SECTION ID	[0600]

HIGHWAY RT. NO. (THIS COUNT) IS 35 SB

MILEPOST NO. OR LOCATION (THIS COUNT) 13.02 (2.0 mile s/o RT.B)

FILENAME _____ DISK ID _____

BEGINNING DATE 1/1/2009 BEGINNING TIME _____

ENDING DATE 12/31/2009 ENDING TIME _____

COUNT DURATION 12 [] HOURS [] DAYS ☒ MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA _____ OTHER ☒ MODOT - statespecific

NAME OF AGENCY CLASSIFICATION SCHEME: F-13 class NO. OF BINS 15
 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 1067

SENSOR TYPE piezo cable, inductance loop

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 SUBMITTAL.

NAME OF PREPARER <u>MB Anthony</u>	PHONE <u>(573) 751 3702</u>
DATE PREPARED <u>05/28/10</u>	revised November 11, 1999

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[0088] sb
	*STATE CODE	[29]
	*SHRP SECTION ID	[0600]

HIGHWAY RT. NO. (THIS SESSION) I 535 SB
 MILEPOST NO. OR LOCATION (THIS SESSION) 13.02 (2.0 miles A/O RTB)

FILENAME _____ DISK ID _____

BEGINNING DATE 1/1/2009 BEGINNING TIME _____

ENDING DATE 12/13/2009 ENDING TIME _____

COUNT DURATION 12 [] HOURS [] DAYS [☒] MONTHS

WEIGHT SCALE TYPE: PORT. WIM _____ PERM. WIM ☒ OTHER _____

EQUIPMENT MAKE/MODEL# IRD 1067

SENSOR TYPE piezo cable / loop

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 ☒ OTHER _____

NAME OF AGENCY CLASSIFICATION SCHEME: F NO. OF BINS 13

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: Test Truck Only
performed annually or as needed

COMMENTS

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA SUBMITTAL.

NAME OF PREPARER <u>MB Anthony</u>	PHONE <u>(573) 751-3702</u>
DATE PREPARED <u>05/26/10</u>	revised February 21, 2000

ENTERED JUN 28 2011

<p align="center">SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY</p>	*STATE ASSIGNED ID	[0188]	56
	*STATE CODE	[29]	
	*SHRP SECTION ID	[0600]	

SITE CALIBRATION INFORMATION

- * DATE OF CALIBRATION (MONTH/DAY/YEAR) 11/17/2009
- * TYPE OF EQUIPMENT CALIBRATED WIM CLASSIFIER BOTH
- * REASON FOR CALIBRATION
☒ REGULARLY SCHEDULED SITE VISIT
☐ EQUIPMENT REPLACEMENT
☐ DATA TRIGGERED SYSTEM REVISION
☐ OTHER (SPECIFY) _____
☐ RESEARCH
☐ TRAINING
☐ NEW EQUIPMENT INSTALLATION
- * SENSORS INSTALLED IN LTPP LANE AT THIS SITE (CHECK ALL THAT APPLY):
☐ BARE ROUND PIEZO CERAMIC
☒ BARE FLAT PIEZO
☐ CHANNELIZED ROUND PIEZO
☐ LOAD CELLS
☐ CHANNELIZED FLAT PIEZO
☒ INDUCTANCE LOOPS
☐ OTHER (SPECIFY) _____
☐ BENDING PLATES
☐ QUARTZ PIEZO
☐ CAPACITANCE PADS
- EQUIPMENT MANUFACTURER IRO

WIM SYSTEM CALIBRATION SPECIFICS**

- **CALIBRATION TECHNIQUE USED:
☐ TRAFFIC STREAM -- ☐ STATIC SCALE (Y/N) ☒ TEST TRUCKS
10 NUMBER OF TRUCKS COMPARED 1 NUMBER OF TEST TRUCKS USED

	PASSES PER TRUCK		
	TRUCK	TYPE	SUSPENSION
TYPE PER FHWA 13 BIN SYSTEM	1	<u>9</u>	<u>2</u>
SUSPENSION: 1 - AIR; 2 - LEAF SPRING	2	_____	_____
3 - OTHER (DESCRIBE)	3	_____	_____

- SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
 MEAN DIFFERENCE BETWEEN ---
 DYNAMIC AND STATIC GVW 10 STANDARD DEVIATION 1.03
 DYNAMIC AND STATIC SINGLE AXLES 0 STANDARD DEVIATION 0
 DYNAMIC AND STATIC DOUBLE AXLES 10 STANDARD DEVIATION 1.03
- 3 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
- DEFINE THE SPEED RANGES USED (MPH) 50 55 60

- CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) Avg. 0.75 Sens 1 0.7357
- ** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) ☒
 IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: 2 0.7749
Adjusted by convergence

CLASSIFIER TEST SPECIFICS***

- *** METHOD FOR COLLECTING INDEPENDENT VOLUME MEASUREMENT BY VEHICLE CLASS:
☐ VIDEO ☒ MANUAL ☐ PARALLEL CLASSIFIERS

13. METHOD TO DETERMINE LENGTH OF COUNT ____ TIME ¹⁰/~~4~~ NUMBER OF TRUCKS

14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:

*** FHWA CLASS 9 ____ 0
*** FHWA CLASS 8 ____ 0

FHWA CLASS ____
FHWA CLASS ____
FHWA CLASS ____
FHWA CLASS ____

*** PERCENT "UNCLASSIFIED" VEHICLES: ____ . 0

PERSON LEADING CALIBRATION EFFORT:

CONTACT INFORMATION: MB Anthony (573) 751-3702

rev. November 9, 1999