

**SHEET 10
LTPP TRAFFIC DATA**

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

*STATE ASSIGNED ID [0625]
*STATE CODE [29]
*SHRP SECTION ID [5393]

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	12894	659	6444	334	129

**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) not wim site

8. WEIGHT SCALE TYPE

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

NAME OF PREPARER MB Anthony PHONE # (573) 757-3702
 DATE PREPARED 06/01/10 rev. March 12, 2001

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[0625]
	*STATE CODE	[29]
	*SHRP SECTION ID	[5393]

HIGHWAY RT. NO. (THIS COUNT) MO 79

MILEPOST NO. OR LOCATION (THIS COUNT) 0.3 miles N/10 RT. Y

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

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# Peek ADR 3000

SENSOR TYPE piezo cable, 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>M. B. Anthony</u>	PHONE <u>(573) 751-5702</u>
DATE PREPARED <u>06/01/09</u>	revised November 11, 1999

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[0625]
	*STATE CODE	[29]
	*SHRP SECTION ID	[5393]

HIGHWAY RT. NO. (THIS SESSION) MO 79

MILEPOST NO. OR LOCATION (THIS SESSION) 0.3 miles N/O RT-4

FILENAME _____ DISK ID _____

BEGINNING DATE 1/1/2009 BEGINNING TIME _____

ENDING DATE 12/31/2009 ENDING TIME _____

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

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

EQUIPMENT MAKE/MODEL# Peek ADR 3000

SENSOR TYPE piezo cable, loops

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

COMMENTS performed annually or as needed.

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>06/01/10</u>	revised February 21, 2000

ENTERED BY 26

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SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID [0625] *STATE CODE [29] *SHRP SECTION ID [5393]
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both

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) 10/1/13/2009
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) _____
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 ☒ PNEUMATIC TUBES ☐ CAPACITANCE PADS
OTHER (SPECIFY) _____
5. EQUIPMENT MANUFACTURER DEEK ADR 3000

WIM SYSTEM CALIBRATION SPECIFICATIONS

6. ** CALIBRATION TECHNIQUE USED:
☐ TRAFFIC STREAM ☐ STATIC SCALE (Y/N) ☐ TEST TRUCKS
☐ NUMBER OF TRUCKS COMPARED ☐ NUMBER OF TEST TRUCKS USED
☐ PASSES PER TRUCK
TRUCK TYPE SUSPENSION
TYPE PER FHWA 15 BIN SYSTEM 1
SUSPENSION 1 - AIR 2 - LEAF SPRING 2
3 - OTHER (SPECIFY) _____
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) 55-60
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) _____
11. ** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) _____
IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: _____

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 6
14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:
*** FHWA CLASS 9 0 FHWA CLASS _____
*** FHWA CLASS 8 0 FHWA CLASS _____
FHWA CLASS _____
FHWA CLASS _____
FHWA CLASS _____
*** PERCENT "UNCLASSIFIED" VEHICLES: 0

PERSON LEADING CALIBRATION EFFORT: Daria Furcher
CONTACT INFORMATION: 513 751 2842
rev. November 9, 1999

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<p align="center">SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY</p>	*STATE ASSIGNED ID	[0625]	both
	*STATE CODE	[29]	
	*SHRP SECTION ID	[5393]	

SITE CALIBRATION INFORMATION

- * DATE OF CALIBRATION (MONTH/DAY/YEAR) [12/22/2009]
- * TYPE OF EQUIPMENT CALIBRATED ☐ WIM ☒ CLASSIFIER ☐ BOTH
- * REASON FOR CALIBRATION
☒ REGULARLY SCHEDULED SITE VISIT ☐ RESEARCH
☐ EQUIPMENT REPLACEMENT ☐ TRAINING
☐ DATA TRIGGERED SYSTEM REVISION ☐ NEW EQUIPMENT INSTALLATION
☐ OTHER (SPECIFY) _____
- * 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) _____
- EQUIPMENT MANUFACTURER PEEK

WIM SYSTEM CALIBRATION SPECIFICS**

- **CALIBRATION TECHNIQUE USED:
☐ TRAFFIC STREAM -- ☐ STATIC SCALE (Y/N) ☐ TEST TRUCKS
☐ NUMBER OF TRUCKS COMPARED ☐ NUMBER OF TEST TRUCKS USED
☐ PASSES PER TRUCK

	TRUCK	TYPE	SUSPENSION
TYPE PER FHWA 13 BIN SYSTEM	1	_____	_____
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	_____ . _____ STANDARD DEVIATION _____ . _____
DYNAMIC AND STATIC SINGLE AXLES	_____ . _____ STANDARD DEVIATION _____ . _____
DYNAMIC AND STATIC DOUBLE AXLES	_____ . _____ STANDARD DEVIATION _____ . _____

- NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED _____
- DEFINE THE SPEED RANGES USED (MPH) 55 60 _____
- CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) _____ . _____

- ** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) _____
 IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: _____

CLASSIFIER TEST SPECIFICS***

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

13. METHOD TO DETERMINE LENGTH OF COUNT ____ TIME ☒ NUMBER OF 2 ~~TRUCKS~~ ~~vehicles~~

14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:

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

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

PERSON LEADING CALIBRATION EFFORT:	
CONTACT INFORMATION: _____	rev. November 9, 1999