

**SHEET 10
LTPP TRAFFIC DATA**

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

*STATE ASSIGNED ID [0910] EB
*STATE CODE [29]
*SHRP SECTION ID [A600]

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>2012</u>	<u>6048</u>	<u>365</u>	<u>3029</u>	<u>187</u>	<u>73</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)
☐ 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 a 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 a WIM site*

02 - 110 Flex

NAME OF PREPARER Manny Chavez PHONE # (573) 522-9465
 DATE PREPARED February 25, 2013

rev. March 12, 2001

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C.O.

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[0910]
	*STATE CODE	[29]
	*SHRP SECTION ID	[A600]

HIGHWAY RT. NO. (THIS COUNT) MO 8

MILEPOST NO. OR LOCATION (THIS COUNT) 4.0 miles s/o RT's O & U

FILENAME _____ DISK ID _____

BEGINNING DATE 1/1/2012 BEGINNING TIME _____

ENDING DATE 12/31/2012 ENDING TIME _____

COUNT DURATION 12 [] HOURS [] DAYS ☒ MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA _____ OTHER MoDOT-State Specific

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, 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.

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DATE PREPARED <u>February 25, 2013</u>	revised November 11, 1999

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[0910]
	*STATE CODE	[29]
	*SHRP SECTION ID	[A600]

HIGHWAY RT. NO. (THIS SESSION) NOT A WIM SITE

MILEPOST NO. OR LOCATION (THIS SESSION)

FILENAME _____ DISK ID _____

BEGINNING DATE _____ BEGINNING TIME _____

ENDING DATE _____ ENDING TIME _____

COUNT DURATION _____ [] HOURS [] DAYS [] MONTHS

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

EQUIPMENT MAKE/MODEL# _____

SENSOR TYPE _____

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: _____ 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:

COMMENTS

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA SUBMITTAL.

NAME OF PREPARER <u>Manny Chavez</u>	PHONE # <u>(573) 522-9465</u>
DATE PREPARED <u>February 25, 2013</u>	revised February 21, 2000

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID	[0910]
	*STATE CODE	[29]
	*SHRP SECTION ID	[A600]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [12 / 05 / 2012]
2. * TYPE OF EQUIPMENT CALIBRATED WIM ☒ CLASSIFIER BOTH
3. * REASON FOR CALIBRATION
- | | |
|--|--------------------------------------|
| <input checked="" type="checkbox"/> REGULARLY SCHEDULED SITE VISIT | <u> </u> RESEARCH |
| <u> </u> EQUIPMENT REPLACEMENT | <u> </u> TRAINING |
| <u> </u> DATA TRIGGERED SYSTEM REVISION | <u> </u> NEW EQUIPMENT INSTALLATION |
| <u> </u> OTHER (SPECIFY) _____ | |
4. * SENSORS INSTALLED IN LTPP LANE AT THIS SITE (CHECK ALL THAT APPLY):
- | | | |
|------------------------------------|----------------------------|----------------------------|
| <u> </u> BARE ROUND PIEZO CERAMIC | <u> </u> BARE FLAT PIEZO | <u> </u> BENDING PLATES |
| <u> </u> CHANNELIZED ROUND PIEZO | <u> </u> LOAD CELLS | <u> </u> QUARTZ PIEZO |
| <u> </u> CHANNELIZED FLAT PIEZO | <u> </u> INDUCTANCE LOOPS | <u> </u> CAPACITANCE PADS |
| <u> </u> OTHER (SPECIFY) _____ | | |
5. EQUIPMENT MANUFACTURER _____

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
- | | | | |
|--------------------------------------|----------------------------|-----------|------------|
| | <u> </u> PASSES PER TRUCK | | |
| | TRUCK | TYPE | SUSPENSION |
| TYPE PER FHWA 13 BIN SYSTEM | 1 | <u> </u> | <u> </u> |
| SUSPENSION: 1 - AIR; 2 - LEAF SPRING | 2 | <u> </u> | <u> </u> |
| 3 - OTHER (DESCRIBE) | 3 | <u> </u> | <u> </u> |
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
- MEAN DIFFERENCE BETWEEN ---
- | | | | |
|---------------------------------|-----------------------|--------------------|-----------------------|
| DYNAMIC AND STATIC GVW | <u> </u> . <u> </u> | STANDARD DEVIATION | <u> </u> . <u> </u> |
| DYNAMIC AND STATIC SINGLE AXLES | <u> </u> . <u> </u> | STANDARD DEVIATION | <u> </u> . <u> </u> |
| DYNAMIC AND STATIC DOUBLE AXLES | <u> </u> . <u> </u> | STANDARD DEVIATION | <u> </u> . <u> </u> |
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 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

ENTERED
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13. METHOD TO DETERMINE LENGTH OF COUNT ____ TIME 6 NUMBER OF TRUCKS

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: ____ . ____

PERSON LEADING CALIBRATION EFFORT:

CONTACT INFORMATION: _____

rev. November 9, 1999