

SHEET 10 LTPP TRAFFIC DATA TRAFFIC VOLUME AND LOAD ESTIMATE UPDATE-NO SITE COUNT	*STATE ASSIGNED ID [0930] EB
	*STATE CODE [29]
	*SHRP SECTION ID [1010]

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>2014</u>	<u>27228</u>	<u>8027</u>	<u>9522</u>	<u>3551</u>	<u>1200</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)

8. WEIGHT SCALE TYPE

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

11-85 Flex

NAME OF PREPARER <u>Manny Chavez</u>	PHONE # <u>(573) 522-9465</u>
DATE PREPARED <u>June 19, 2015</u>	rev. March 12, 2001

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[0930]
	*STATE CODE	[29]
	*SHRP SECTION ID	[1010]

HIGHWAY RT. NO. (THIS COUNT) IS 44 EB

MILEPOST NO. OR LOCATION (THIS COUNT) 1.5 miles w/o RTH

FILENAME _____ DISK ID _____

BEGINNING DATE 1/1/2014 BEGINNING TIME _____

ENDING DATE 12/31/2014 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.

NAME OF PREPARER <u>Manny Chavez</u>	PHONE # <u>(573) 522-9465</u>
DATE PREPARED <u>April 30, 2015</u>	revised November 11, 1999

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[0930]
	*STATE CODE	[29]
	*SHRP SECTION ID	[1010]

HIGHWAY RT. NO. (THIS SESSION) IS 44

MILEPOST NO. OR LOCATION (THIS SESSION) 1.5 miles w/o RTH

FILENAME _____ DISK ID _____

BEGINNING DATE 1/1/2014 BEGINNING TIME _____

ENDING DATE 12/31/2014 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, Inductance 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-13 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 CLASS SYSTEM.

METHOD OF CALIBRATION AND FREQUENCY: Traffic flow/streaming.

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>June 19, 2015</u>	revised February 21, 2000

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[0930]
	*STATE CODE	[29]
	*SHRP SECTION ID	[1010]

HIGHWAY RT. NO. (THIS SESSION) IS 44

MILEPOST NO. OR LOCATION (THIS SESSION) 1.5 miles w/o RTH

FILENAME _____ DISK ID _____

BEGINNING DATE 1/1/2014 BEGINNING TIME _____

ENDING DATE 12/31/2014 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, Inductance Loop

VEHICLE CLASSIFICATION METHOD:

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NAME OF AGENCY CLASSIFICATION SCHEME: F-13 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 CLASS SYSTEM.

METHOD OF CALIBRATION AND FREQUENCY: Traffic flow/streaming.

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>June 19, 2015</u>	revised February 21, 2000

SHEET 14 LTPP TRAFFIC DATA EQUIPMENT INSTALLATION LOG		*STATE ASSIGNED ID *STATE CODE *SHRP SECTION ID	[0930] [29] [1010]	LOCATION IS 44 INSTALLATION DATE
Control Unit(s) and peripheral equipment				
Control Unit		ADR 3000	PEEK	0280001100700137
Interface				
Modem		LPM-14-E		
Loop Amplifiers				
Other				
Sensor(s) / Platform(s)				
LTPP Lane Sensor		Piezo Class 1	Measurement Specialties	
Sensor Next Adjacent Lane (1)		"	"	
Sensor Next Adjacent Lane (2)				
Sensor Next Adjacent Lane (3)				
Diagonal Sensor				
Offscale Sensor				
Right Platform				
Left Platform				
Other				
Software				
Complete Package		ADR 4.70	PEEK	
Axle Spacing Algorithm Only		120"		
Other				
Loops				
Upstream - Lane 1		Electromagnetic	18 ga wire 4 turn	6' X 6'
Downstream - Lane 1				
Upstream - Other Lanes		Electromagnetic	18 ga wire 4 turn	6' X 6'
Downstream - Other Lanes				

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID	[0930]
	*STATE CODE	[29]
	*SHRP SECTION ID	[1010]

SITE CALIBRATION INFORMATION

- * DATE OF CALIBRATION (MONTH/DAY/YEAR) [_11_ / _19_ / _2014_]
- * TYPE OF EQUIPMENT CALIBRATED __ WIM __ CLASSIFIER __X 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 __X BARE FLAT PIEZO __ BENDING PLATES
 __ CHANNELIZED ROUND PIEZO __ LOAD CELLS __ QUARTZ PIEZO
 __ CHANNELIZED FLAT PIEZO __X 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) Self Calibrating Equipment
 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) _____

- 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 __X MANUAL __ PARALLEL CLASSIFIERS

13. METHOD TO DETERMINE LENGTH OF COUNT ____ TIME ____ 67 NUMBER OF TRUCKS

14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:

*** FHWA CLASS 9 ____ 0 FHWA CLASS 11 ____ 0

*** FHWA CLASS 8 ____ 0 FHWA CLASS 12 ____ 0

FHWA CLASS ____

FHWA CLASS ____

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

PERSON LEADING CALIBRATION EFFORT:

CONTACT INFORMATION: _____

rev. November 9, 1999

ENTERED 20/AUG/2015

C.O.