

SHEET 10 LTPP TRAFFIC DATA TRAFFIC VOLUME AND LOAD ESTIMATE UPDATE-NO SITE COUNT	*STATE ASSIGNED ID [1030] EB
	*STATE CODE [29]
	*SHRP SECTION ID [5413]

SIMILAR SITE: 295403

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>5419</u>	<u>914</u>	<u>2732</u>	<u>488</u>	<u>189</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) **13**
☐ 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*

62-35 Rev.

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

ENTERED 19/AUG/2015
C.O.

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[1030]
	*STATE CODE	[29]
	*SHRP SECTION ID	[5413]

HIGHWAY RT. NO. (THIS COUNT) US 412

MILEPOST NO. OR LOCATION (THIS COUNT) 0.1 miles s/o RT C

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>June 19, 2015</u>	revised November 11, 1999

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[1030]
	*STATE CODE	[29]
	*SHRP SECTION ID	[5413]

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

SHEET 14 LTPP TRAFFIC DATA EQUIPMENT INSTALLATION LOG		*STATE ASSIGNED ID *STATE CODE *SHRP SECTION ID	[1030] [29] [5413]	LOCATION US 412 INSTALLATION DATE
Control Unit(s) and peripheral equipment				
Control Unit		ADR 3000	PEEK	02FF449601350009
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)		Piezo Class 1	Measurement Specialties	
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		96"		
Other				
Loops				
Upstream - Lane 1		Electromagnetic	18 ga 4 turn	6' X 6'
Downstream - Lane 1				
Upstream - Other Lanes		Electromagnetic	18 ga 4 turn	6' X 6'
Downstream - Other Lanes				

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID	[1030]
	*STATE CODE	[29]
	*SHRP SECTION ID	[5413]

SIMILAR SITE: 295403

SITE CALIBRATION INFORMATION

- * DATE OF CALIBRATION (MONTH/DAY/YEAR) [_ 11 / _ 18 / _ _ 2014 _]
- * TYPE OF EQUIPMENT CALIBRATED _ WIM ~~X~~ CLASSIFIER ~~X~~ 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
 ___ CHANNELIZED ROUND PIEZO
 ___ CHANNELIZED FLAT PIEZO
 ___ OTHER (SPECIFY) _____
 ___ X BARE FLAT PIEZO
 ___ LOAD CELLS
 ___ X INDUCTANCE LOOPS
 ___ BENDING PLATES
 ___ QUARTZ PIEZO
 ___ CAPACITANCE PADS
- 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
1	_____	_____
2	_____	_____
3	_____	_____

 TYPE PER FHWA 13 BIN SYSTEM
 SUSPENSION: 1 - AIR; 2 - LEAF SPRING
 3 - OTHER (DESCRIBE)
- 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 ____ 40 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: ____ . ____ 0

PERSON LEADING CALIBRATION EFFORT:
CONTACT INFORMATION: _____

rev. November 9, 1999

ENTERED 20/AUG/2015
C.O.