

ENTERED DEC 14 2006

SHEET 10 LTPP TRAFFIC DATA TRAFFIC VOLUME AND LOAD ESTIMATE UPDATE-NO SITE COUNT	*STATE ASSIGNED ID	[0760] EB
	*STATE CODE	[29]
	*SHRP SECTION ID	[7054]

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)
1993 -					
2004					
	See MO-sheet 10 Spreadsheet				

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)
☒ Average multiple counts taken this year at the LTPP site. (2)
☐ Average 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 _____	PHONE# _____
DATE PREPARED _____	rev. March 12, 2001

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[0760]
	*STATE CODE	[29]
	*SHRP SECTION ID	[7054]

HIGHWAY RT. NO. (THIS COUNT) 1544

MILEPOST NO. OR LOCATION (THIS COUNT) 0.58 (0.3 mi. w/o scales)

FILENAME LTPP.ZIPP DISK ID MoDOT LTPP Data 2004

BEGINNING DATE 1/1/04 BEGINNING TIME _____

ENDING DATE 12/31/04 ENDING TIME _____

COUNT DURATION 12 [] HOURS [] DAYS ☒ MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER _____

NAME OF AGENCY CLASSIFICATION SCHEME: 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 loops

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 FILE SUBMITTED.

NAME OF PREPARER <u>Mary L. Kladiva</u>	PHONE <u>(523) 526-4907</u>
DATE PREPARED <u>02/02/05</u>	revised November 11, 1999

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[0760]
	*STATE CODE	[29]
	*SHRP SECTION ID	[7054]

HIGHWAY RT. NO. (THIS SESSION) 15 44

MILEPOST NO. OR LOCATION (THIS SESSION) 0.58 (0.3 mi. w/o scales)

FILENAME LT PP. 2IPP DISK ID Mod. + LT PP Data 2004

BEGINNING DATE 1/1/04 BEGINNING TIME _____

ENDING DATE 12/31/04 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/ Inductance 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: _____ 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: Combination of test & traffic stream trucks

COMMENTS _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Mary L. Kladiwa</u>	PHONE <u>(573) 526-4907</u>
DATE PREPARED <u>02/02/05</u>	revised February 21, 2000

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[0760]
	*STATE CODE	[29]
	*SHRP SECTION ID	[7054]

LOCATION 1544 0.3 mi. w/o scales TYPE EQUIP. IRD
 MP# 6-58 MODEL # 1067

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
2/18/04		tightened loose wire made adjustments	Tom Jones		
10/15/01		cleanup	Tom Jones		

revised November 11, 1999

<p align="center">SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY</p>	*STATE ASSIGNED ID	[0760]
	*STATE CODE	[29]
	*SHRP SECTION ID	[7054]

DM

SITE CALIBRATION INFORMATION

- * DATE OF CALIBRATION (MONTH/DAY/YEAR) [11/17/2004]
- * 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 IRD 10.67

*Rec'd Before!
Please check
2/13/06*

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 _____

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 _____ 1.0 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 - 70
- CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 1.40 Load
1.70 Trail
- ** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) Y
 IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: _____

CLASSIFIER TEST SPECIFICS***

- *** METHOD FOR COLLECTING INDEPENDENT VOLUME MEASUREMENT BY VEHICLE CLASS:
☐ VIDEO ☐ MANUAL ☐ PARALLEL CLASSIFIERS
- METHOD TO DETERMINE LENGTH OF COUNT ☐ TIME ☐ NUMBER OF TRUCKS
- MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:
 *** FHWA CLASS 9 _____ FHWA CLASS _____
 *** FHWA CLASS 8 _____ FHWA CLASS _____
 _____ FHWA CLASS _____
 _____ FHWA CLASS _____
 *** PERCENT "UNCLASSIFIED" VEHICLES: _____

PERSON LEADING CALIBRATION EFFORT: <u>Tom Jones</u>
CONTACT INFORMATION: <u>573-259-4612</u>

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID	[760]
	*STATE CODE	[29]
	*SHRP SECTION ID	[7054]

EB

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) 11/17/2004
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 ☐ INDUCTANCE LOOPS ☐ CAPACITANCE PADS
☐ OTHER (SPECIFY) _____
5. EQUIPMENT MANUFACTURER IRD

ENTERED MAY - - 2008

in system
GA
5/29/08

WIM SYSTEM CALIBRATION SPECIFICS**

- 6.** CALIBRATION TECHNIQUE USED:
☒ TRAFFIC STREAM -- ☒ STATIC SCALE (Y/N) ☐ TEST TRUCKS
6 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
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
 MEAN DIFFERENCE BETWEEN --
 DYNAMIC AND STATIC GVW 1.0 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 - 70
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 1.45
- 11.** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) Y
 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
14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:
 *** FHWA CLASS 9 FHWA CLASS
 *** FHWA CLASS 8 FHWA CLASS
 FHWA CLASS
 FHWA CLASS
 *** PERCENT "UNCLASSIFIED" VEHICLES:

PERSON LEADING CALIBRATION EFFORT: <u>Tom Jones</u>
CONTACT INFORMATION: <u>573-659-4012</u>

rev. November 9, 1999