

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[0420]
	*STATE CODE	[29]
	*SHRP SECTION ID	[4036]

HIGHWAY RT. NO. (THIS COUNT) 15 435

MILEPOST NO. OR LOCATION (THIS COUNT) 6.38 (1.0 mi. w/o 108th St.)

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 Bclass 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 cables / 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	[0420]
	*STATE CODE	[29]
	*SHRP SECTION ID	[4036]

HIGHWAY RT. NO. (THIS SESSION) IS 435

MILEPOST NO. OR LOCATION (THIS SESSION) 6.38 (1.0 mi. N/O 108th St.)

FILENAME LTPP. ZIPP DISK ID MoDOT LTPP Data 2004

BEGINNING DATE 9/01/04 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 Piezoelectric 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>573-521-4907</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

[0420]

*STATE CODE

[29]

*SHRP SECTION ID

[4036]

LOCATION IS435 I.O. mi. N/O 108TH St TYPE EQUIP. IRD
MP# 6.38 MODEL # 1067

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
1/13/04		adjusted sensors	Curt Evers		
2/10/04		loop locked up	Curt Evers		
2/18/04		reset + loop adjust loop sensitivity	Curt Evers		
2/24/04		adjusted sensors	Tom Jones		
4/13/04		modem repaired	Rich Branum		
5/5/04		reset loop board			
6/10/04		unclassified too high adjusted loop & piezo boards	Rich Branum		
6/16/04		unclass. high/adjusted loop board	Rich Branum		
7/8/04		unclass high - adjusted	Curt Evers		
7/13/05		adjusted	Curt Evers		

revised November 11, 1999

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID	[420]
	*STATE CODE	[29]
	*SHRP SECTION ID	[4034]

N.B.

SITE CALIBRATION INFORMATION

- * DATE OF CALIBRATION (MONTH/DAY/YEAR) [12/01/2004]
- * TYPE OF EQUIPMENT CALIBRATED WIM CLASSIFIER ☒ BOTH ENTERED MAY -- 2008
- * 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 I.R.D.

WIM SYSTEM CALIBRATION SPECIFICS**

- ** CALIBRATION TECHNIQUE USED:
☒ TRAFFIC STREAM -- ☒ STATIC SCALE (Y/N) ☐ TEST TRUCKS
6 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) 70
- ** 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 - 659-4012</u>

rev. November 9, 1999

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID	[0420]
	*STATE CODE	[29]
	*SHRP SECTION ID	[4036]

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SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [12/01/2004]
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, 1067

Rec'd
Bureau
please
check L, BR
2/13/06

ENTERED FEB 13 2006
JM

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) 0.70 Lead
0.90 Trail
- 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>573-656-4012</u>

rev. November 9, 1999

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID	[0420]
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☐ OTHER (SPECIFY) _____
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☐ CHANNELIZED ROUND PIEZO ☐ LOAD CELLS ☐ QUARTZ PIEZO
☐ CHANNELIZED FLAT PIEZO ☒ INDUCTANCE LOOPS ☐ CAPACITANCE PADS
☐ OTHER (SPECIFY) _____
5. EQUIPMENT MANUFACTURER IRD, 1067

Read
Before,
please
check, RA
2/13/06

ENTERED FEB 13 2006
JM

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
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 *** FHWA CLASS 9 FHWA CLASS
 *** FHWA CLASS 8 FHWA CLASS
 FHWA CLASS
 FHWA CLASS
 *** PERCENT "UNCLASSIFIED" VEHICLES:

MADE BY
MAR 1 2 2005

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

rev. November 9, 1999