

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[]
	*STATE CODE	[37]
	*SHRP SECTION ID	[1645]

HIGHWAY RT. NO.(THIS SESSION) US 74

MILEPOST NO. OR LOCATION (THIS SESSION) 1.9 MI. W. OF SR 1001

FILENAME C371645.ile DISK ID _____

BEGINNING DATE 07/01/2004 BEGINNING TIME 0000

ENDING DATE 09/30/2004 ENDING TIME 2400

COUNT DURATION 92 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X 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.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

EQUIPMENT MAKE/MODEL# Peek ADR-3000

SENSOR TYPE Bare flat piezo

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES OF 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>Randy T. Perry</u>	PHONE	<u>(919)-212-4562</u>
DATE PREPARED	<u>03/17/2006</u>	REVISED	_____

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[]
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	*SHRP SECTION ID	[1645]

HIGHWAY RT. NO.(THIS SESSION) US 74

MILEPOST NO. OR LOCATION (THIS SESSION) 1.9 MI. W. OF SR 1001

FILENAME C371645.lle DISK ID _____

BEGINNING DATE 10/01/2004 BEGINNING TIME 0000

ENDING DATE 10/30/2004 ENDING TIME 2400

COUNT DURATION 30 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X 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.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

EQUIPMENT MAKE/MODEL# Peek ADR-3000

SENSOR TYPE Bare flat piezo

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES OF 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>Randy T. Perry</u>	PHONE	<u>(919)-212-4562</u>
DATE PREPARED	<u>04/12/2006</u>	REVISED	_____

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[]
	*STATE CODE	[37]
	*SHRP SECTION ID	[1645]

HIGHWAY RT. NO.(THIS SESSION) US 74

MILEPOST NO. OR LOCATION (THIS SESSION) 1.9 MI. W. OF SR 1001

FILENAME C371645.mle DISK ID

BEGINNING DATE 11/01/2004 BEGINNING TIME 0000

ENDING DATE 12/31/2004 ENDING TIME 2400

COUNT DURATION 61 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X 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.

TYPE OF AVC EQUIPMENT: PORTABLE PERMANENT X

EQUIPMENT MAKE/MODEL# Peek ADR-3000

SENSOR TYPE Bare flat piezo

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES OF 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>Randy T. Perry</u>	PHONE	<u>(919)-212-4562</u>
DATE PREPARED	<u>04/12/2006</u>	REVISED	<u></u>

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID []
	*STATE CODE [37]
	*SHRP SECTION ID [1645]

HIGHWAY RT. NO.(THIS SESSION) US 74

MILEPOST NO. OR LOCATION (THIS SESSION) 1.9 MI. W. OF SR 1001

FILENAME W371645.kie DISK ID _____

BEGINNING DATE 09/19/2004 BEGINNING TIME 0000

ENDING DATE 09/25/2004 ENDING TIME 2400

COUNT DURATION 7 [] HOURS [X] DAYS [] MONTHS

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

EQUIPMENT MAKE/MODEL# Peek ADR-3000

SENSOR TYPE Bare flat piezo

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 X OTHER 7-card FHWA 13 bin cols. 20-21

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: Self calibration factor adjusted hourly on predominate Vehicle class at the site.

COMMENTS:

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Randy T. Perry</u>	PHONE <u>(919)-212-4562</u>
DATE PREPARED <u>03/17/2006</u>	REVISED _____

SHEET 13
LTPP TRAFFIC DATA

VEHICLE WEIGHT DATA
TRANSMITTAL FORM

*STATE ASSIGNED ID []

*STATE CODE [37]

*SHRP SECTION ID [1645]

HIGHWAY RT. NO.(THIS SESSION) US 74

MILEPOST NO. OR LOCATION (THIS SESSION) 1.9 MI. W. OF SR 1001

FILENAME W371645.Be

DISK ID

BEGINNING DATE 10/03/2004

BEGINNING TIME 0000

ENDING DATE 10/09/2004

ENDING TIME 2400

COUNT DURATION 7 [] HOURS [X] DAYS [] MONTHS

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

EQUIPMENT MAKE/MODEL# Peek ADR-3000

SENSOR TYPE Bare flat piezo

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 X OTHER 7-card FHWA 13 bin cols. 20-21

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: Self calibration factor adjusted hourly on predominate
Vehicle class at the site.

COMMENTS:

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER Randy T. Perry PHONE (919)-212-4562

DATE PREPARED 04/12/2006

REVISED

**SHEET 14
LTPP TRAFFIC DATA
EQUIPMENT INSTALLATION
LOG**

*STATE ASSIGNED ID []
 *STATE CODE [37]
 *SHRP SECTION ID [1645]

LOCATION US 74, 1.9 mi. West of SR 1001

INSTALLATION DATE 4/14/04

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	ADR-3000	PEEK TRAFFIC , INC	
Interface			
Modem	DC POWERED 14.4 BPS	MICRO-AIDE	
Loop Amplifiers	SL58P		
Other _____	SW58P		
Sensor(s) / Platform(s)			
LTPP Lane Sensor	BARE FLAT PIEZO	MSI	
Sensor Next Adjacent Lane (1)	BARE FLAT PIEZO	MSI	
Sensor Next Adjacent Lane (2)			
Sensor Next Adjacent Lane (3)			
Diagonal Sensor			
Offscale Sensor			
Right Platform			
Left Platform			
Other _____			
Software			
Complete Package	TDP VER. 3.32, TMG VER. 8.5, VISA WIM VER. 1.53		
Axle Spacing Algorithm Only			
Other _____			
Loops			
Upstream - Lane I	6'x6' 4 TURN INDUCTIVE LOOP		
Downstream - Lane I	6'x6' 4 TURN INDUCTIVE LOOP		
Upstream - Other Lanes			
Downstream - Other Lanes			

revised November
11, 1999)

SHEET 16
LTPP MONITORED TRAFFIC DATA
SITE CALIBRATION SUMMARY

*STATE ASSIGNED ID []
 *STATE CODE [37]
 *SHRP SECTION ID [1645]

SITE CALIBRATION INFORMATION

1. *DATE OF CALIBRATION (MONTH/DAY/YEAR) [5 / 13 / 04]
2. *TYPE OF EQUIPMENT CALIBRATED _____ WIM _____ CLASSIFIER * X BOTH
3. *REASON FOR CALIBRATION
 _____ REGULARLY SCHEDULED SITE VISIT
 _____ EQUIPMENT REPLACEMENT
 _____ DATA TRIGGERED SYSTEM REVISION
 _____ RESEARCH
 _____ TRAINING
 X NEW EQUIPMENT INSTALLATION
4. *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 _____ INDUCTANCE LOOPS _____ CAPACITANCE PADS
 _____ OTHER (SPECIFY) _____
5. EQUIPMENT MANUFACTURER PEEK Traffic

ENTERED DEC 15 2004
 NC

WIM SYSTEM CALIBRATION SPECIFICS**

- 6.** CALIBRATION TECHNIQUE USED:
 _____ TRAFFIC STREAM _____ STATIC SCALE (Y/N) X TEST TRUCKS
 _____ NUMBER OF TRUCKS COMPARED 1 NUMBER OF TEST TRUCKS USED
 5 PASSES PER TRUCK
- | TRUCK | TYPE | SUSPENSION |
|-------|------------|------------|
| 1 | <u> 9 </u> | <u> 1 </u> |
| 2 | _____ | _____ |
| 3 | _____ | _____ |
- TYPE PER FHWA 13 BIN SYSTEM
 SUSPENSION: 1 - AIR; 2 - LEAF SPRING
 3 - OTHER (DESCRIBE)
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
 MEAN DIFFERENCE BETWEEN - -
 DYNAMIC AND STATIC GVW 2 . 21 STANDARD DEVIATION 3 . 0
 DYNAMIC AND STATIC SINGLE AXLES 1 . 75 STANDARD DEVIATION 5 . 8
 DYNAMIC AND STATIC DOUBLE AXLES 2 . 36 STANDARD DEVIATION 3 . 55
8. 1 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 65 MPH
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 1 . 000
- 11.** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) Y
 IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: LN1 - CLASS 9, FRONT AXLE, 10,100 lbs
 LN2 - CLASS 2, FRONT AXLE, 2,000 lbs
 LN3 - CLASS 9, FRONT AXLE, 10,100 lbs
 LN4 - CLASS 2, FRONT AXLE, 1,950 lbs

CLASSIFIER TEST SPECIFICS***

- 12.*** METHOD FOR COLLECTING INDEPENDENT VOLUME MEASUREMENT BY VEHICLE CLASS:
 _____ VIDEO X MANUAL _____ PARRALLEL CLASSIFIERS
13. METHOD TO DETERMINE LENGTH OF COUNT 6hrs X TIME _____ NUMBER OF TRUCKS
14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:
 *** FHWA CLASS 9 . 34% FHWA CLASS _____
 *** FHWA CLASS 8 . 28% FHWA CLASS _____
 FHWA CLASS _____
 FHWA CLASS _____
 *** PERCENT UNCLASSIFIED VEHICLES: 1 . 0%

PERSON LEADING CALIBRATION EFFORT Michael H. Ashbrook

CONTACT INFORMATION 919-733-4796

rev. November 9, 1999