

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ ]
	*STATE CODE	[ 37 ]
	*SHRP SECTION ID	[ 1030 ]

HIGHWAY RT. NO.(THIS SESSION) US 17

MILEPOST NO. OR LOCATION (THIS SESSION) .4 MI. S. OF US 158

FILENAME C371030.ice DISK ID \_\_\_\_\_

BEGINNING DATE 07/15/2004 BEGINNING TIME 0000

ENDING DATE 09/30/2004 ENDING TIME 2400

COUNT DURATION 78 [ ] 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>03/15/2006</u>	REVISED	_____

**SHEET 12**  
**LTPP TRAFFIC DATA**  
**CLASSIFICATION DATA**  
**TRANSMITTAL FORM**

\*STATE ASSIGNED ID [ ]  
\*STATE CODE [ 37 ]  
\*SHRP SECTION ID [ 1030 ]

HIGHWAY RT. NO.(THIS SESSION) US 17

MILEPOST NO. OR LOCATION (THIS SESSION) .4 MI. S. OF US 158

FILENAME C371030.11e 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 Randy T. Perry PHONE (919)-212-4562  
DATE PREPARED 05/08/2006 REVISED \_\_\_\_\_

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ ]
	*STATE CODE	[ 37 ]
	*SHRP SECTION ID	[ 1030 ]

HIGHWAY RT. NO.(THIS SESSION) US 17

MILEPOST NO. OR LOCATION (THIS SESSION) .4 MI. S. OF US 158

FILENAME C371030.mle DISK ID

BEGINNING DATE 11/01/2004 BEGINNING TIME 0000

ENDING DATE 12/19/2004 ENDING TIME 2400

COUNT DURATION 49 [ ] 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>05/08/2006</u>	REVISED	<u></u>

<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID [ ]
	*STATE CODE [ 37 ]
	*SHRP SECTION ID [ 1030 ]

HIGHWAY RT. NO.(THIS SESSION) US 17

MILEPOST NO. OR LOCATION (THIS SESSION) .4 MI. S. OF US 158

FILENAME W371030.jle DISK ID \_\_\_\_\_

BEGINNING DATE 08/01/2004 BEGINNING TIME 0000

ENDING DATE 08/07/2004 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>03/15/2006</u>	REVISED _____

**SHEET 13**  
**LTPP TRAFFIC DATA**

**VEHICLE WEIGHT DATA**  
**TRANSMITTAL FORM**

\*STATE ASSIGNED ID [ ]

\*STATE CODE [ 37 ]

\*SHRP SECTION ID [ 1030 ]

HIGHWAY RT. NO.(THIS SESSION) US 17

MILEPOST NO. OR LOCATION (THIS SESSION) .4 MI. S. OF US 158

FILENAME W371030.mde DISK ID \_\_\_\_\_

BEGINNING DATE 11/14/2004 BEGINNING TIME 0000

ENDING DATE 11/20/2004 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 04/11/2006

REVISED \_\_\_\_\_

<b>SHEET 14</b> <b>LTPP TRAFFIC DATA</b> <b>EQUIPMENT INSTALLATION</b> <b>LOG</b>	*STATE ASSIGNED ID [       ]	LOCATION <u>US 17, .4 mi. South of US 158</u>
	*STATE CODE [ <u>37</u> ]	INSTALLATION DATE <u>6/18/04</u>
	*SHRP SECTION ID [ <u>1030</u> ]	

	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)

<div>SHEET 16</div> <div>LTPP MONITORED TRAFFIC DATA</div> <div>SITE CALIBRATION SUMMARY</div>	<div>*STATE ASSIGNED ID</div> <div>*STATE CODE</div> <div>*SHRP SECTION ID</div> <div><div></div><div>37</div><div>1030</div></div>
--	---

SITE CALIBRATION INFORMATION

1. \*DATE OF CALIBRATION (MONTH/DAY/YEAR) 

7/14/04

2. \*TYPE OF EQUIPMENT CALIBRATED 

WIM

CLASSIFIER

X BOTH

3. \*REASON FOR CALIBRATION  

REGULARLY SCHEDULED SITE VISIT

RESEARCH

EQUIPMENT REPLACEMENT

TRAINING

DATA TRIGGERED SYSTEM REVISION

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  
AK

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	1	1
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 

2.09

 STANDARD DEVIATION 

2.5

DYNAMIC AND STATIC SINGLE AXLES

4.91

 STANDARD DEVIATION 

7.0

DYNAMIC AND STATIC DOUBLE AXLES

1.51

 STANDARD DEVIATION 

3.23

8. 

1

 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

9. DEFINE THE SPEED RANGES USED (MPH) 

55 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 2, FRONT Axle, 2, 300 lbs

LN2 - class 2, FRONT Axle, 2, 350 lbs

LN3 - class 2, FRONT Axle, 2, 400 lbs

LN4 - class 2, FRONT Axle, 2, 500 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 

6 hrs

X TIME

NUMBER OF TRUCKS

14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:  
\*\*\* FHWA CLASS 9 

.11%

 FHWA CLASS 

\*\*\* FHWA CLASS 8

.38%

 FHWA CLASS 

FHWA CLASS

FHWA CLASS

\*\*\* PERCENT UNCLASSIFIED VEHICLES:

0.88%

PERSON LEADING CALIBRATION EFFORT	Michael H. Ashbrook
CONTACT INFORMATION	919-733-4796

rev. November 9, 1999