

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[]
	*STATE CODE	[<u>37</u>]
	*SHRP SECTION ID	[<u>1801</u>]

HIGHWAY RT. NO. (THIS COUNT) I-40

MILEPOST NO. OR LOCATION (THIS COUNT) 57.6

FILE NAME C371801.C1D DISK ID _____

BEGINNING DATE 1/1/03 BEGINNING TIME 0000

ENDING DATE 3/31/03 ENDING TIME 2400

COUNT DURATION 90 [] HOURS [☒] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA ☒ 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 BIN SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT ☒

EQUIPMENT MAKE/MODEL# Peek ADR-3000

SENSOR TYPE Bare flat piezo.

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS: _____

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OF CLASS GROUPS) _____

COMMENTS: Data submitted for lane 1 only due to sensor failures in lane 2.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER	<u>Michael H. Ashbrook</u>	PHONE: <u>919-733-4796</u>
DATE PREPARED	<u>5/8/03</u>	Revised November 11, 1999

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[]
	*STATE CODE	[37]
	*SHRP SECTION ID	[1801]

HIGHWAY RT. NO. (THIS COUNT) I-40

MILEPOST NO. OR LOCATION (THIS COUNT) 57.6

FILE NAME C371801.F7D DISK ID _____

BEGINNING DATE 4/7/03 BEGINNING TIME 0000

ENDING DATE 5/31/03 ENDING TIME 2400

COUNT DURATION 55 [] 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 BIN SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

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DATE PREPARED	<u>10/8/03</u>	Revised November 11, 1999

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[]
	*STATE CODE	[<u>37</u>]
	*SHRP SECTION ID	[<u>1801</u>]

HIGHWAY RT. NO. (THIS COUNT) I-40

MILEPOST NO. OR LOCATION (THIS COUNT) 57.6

FILE NAME C371801.LQD DISK ID _____

BEGINNING DATE 10/27/03 BEGINNING TIME 0000

ENDING DATE 12/31/03 ENDING TIME 2400

COUNT DURATION 66 [] HOURS [☒] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER _____

NAME OF AGENCY CLASSIFICATION SCHEME _____ NO. OF BINS: _____

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TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT ☒

EQUIPMENT MAKE/MODEL# Peek ADR-3000

SENSOR TYPE Bare flat piezo.

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>Michael H. Ashbrook</u>	PHONE: <u>919-733-4796</u>
DATE PREPARED	<u>2/18/04</u>	Revised November 11, 1999

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[]
	*STATE CODE	[<u>37</u>]
	*SHRP SECTION ID	[<u>1801</u>]

HIGHWAY RT. NO. (THIS COUNT) I-40

MILEPOST NO. OR LOCATION (THIS COUNT) 57.6

FILE NAME C371801. DISK ID _____

BEGINNING DATE _____ BEGINNING TIME 0000

ENDING DATE _____ ENDING TIME 2400

COUNT DURATION _____ [] HOURS [☒] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER _____

NAME OF AGENCY CLASSIFICATION SCHEME _____ NO. OF BINS: _____

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CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OF CLASS GROUPS) _____

COMMENTS: _____

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NAME OF PREPARER	<u>Michael H. Ashbrook</u>	PHONE: <u>919-733-4796</u>
DATE PREPARED	<u>2/18/04</u>	Revised November 11, 1999

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	-STATE ASSIGNED ID [_____]
	*STATE CODE [<u>37</u>]
	*SHRP SECTION ID [<u>1801</u>]

HIGHWAY RT. NO. (THIS SESSION) I-40

MILEPOST NO. OR LOCATION (THIS SESSION) 57.6

FILE NAME W371801.D2D DISK ID _____

BEGINNING DATE 2/2/03 BEGINNING TIME 0000

ENDING DATE 2/8/03 ENDING TIME 2400

COUNT DURATION 7 [] HOURS [☒] 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 Automatic calibration capabilities

Data submitted for lane 1 only due to sensor failures in lane 2.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER	<u>Michael H. Ashbrook</u>	PHONE: <u>919-733-4796</u>
DATE PREPARED	<u>5/8/03</u>	Revised February 21, 2000

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[_____]
	*STATE CODE	[<u>37</u>]
	*SHRP SECTION ID	[<u>1801</u>]

HIGHWAY RT. NO. (THIS SESSION) I-40

MILEPOST NO. OR LOCATION (THIS SESSION) 57.6

FILE NAME W371801.FJD DISK ID _____

BEGINNING DATE 4/20/03 BEGINNING TIME 0000

ENDING DATE 4/26/03 ENDING TIME 2400

COUNT DURATION 7 [] HOURS [☒] 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 _____

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DATE PREPARED	<u>10/8/03</u>	Revised February 21, 2000

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[_____]
	*STATE CODE	[<u>37</u>]
	*SHRP SECTION ID	[<u>1801</u>]

HIGHWAY RT. NO. (THIS SESSION) I-40

MILEPOST NO. OR LOCATION (THIS SESSION) 57.6

FILE NAME W371801.JED DISK ID _____

BEGINNING DATE 8/15/03 BEGINNING TIME 0000

ENDING DATE 8/21/03 ENDING TIME 2400

COUNT DURATION 7 [] HOURS [☒] 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 _____

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NAME OF PREPARER	<u>Michael H. Ashbrook</u>	PHONE: <u>919-733-4796</u>
DATE PREPARED	<u>1/23/04</u>	Revised February 21, 2000

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[_____]
	*STATE CODE	[37]
	*SHRP SECTION ID	[1801]

HIGHWAY RT. NO. (THIS SESSION) I-40

MILEPOST NO. OR LOCATION (THIS SESSION) 57.6

FILE NAME W371801.MID DISK ID _____

BEGINNING DATE 11/1/03 BEGINNING TIME 0000

ENDING DATE 11/7/03 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

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FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER	<u>Michael H. Ashbrook</u>	PHONE: <u>919-733-4796</u>
DATE PREPARED	<u>2/18/04</u>	Revised February 21, 2000

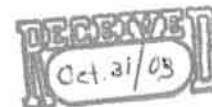
**SHEET 14
LTPP TRAFFIC DATA
EQUIPMENT INSTALLATION
LOG**

*STATE ASSIGNED ID []
 *STATE CODE [37]
 *SHRP SECTION ID [1801]

LOCATION I40 west at MM 58.5
 INSTALLATION DATE 6/26/03

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit			
Interface			
Modem			
Loop Amplifiers			
Other _____			
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			
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>[37]</div> <div>[180]</div>
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SITE CALIBRATION INFORMATION

1. *DATE OF CALIBRATION (MONTH/DAY/YEAR) [8 / 13 / 03]

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

CHANNELIZED ROUND PIEZO

CHANNELIZED FLAT PIEZO

OTHER (SPECIFY)

X BARE FLAT PIEZO

LOAD CELLS

X INDUCTANCE LOOPS

BENDING PLATES

QUARTZ PIEZO

CAPACITANCE PADS

5. EQUIPMENT MANUFACTURER PEEK Traffic

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

10 PASSES PER TRUCK

TRUCK	TYPE	SUSPENSION
1	9	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

DYNAMIC AND STATIC SINGLE AXLES

DYNAMIC AND STATIC DOUBLE AXLES

1 . 17

7 . 02

0 . 15

STANDARD DEVIATION

STANDARD DEVIATION

STANDARD DEVIATION

3 . 3

5 . 3

4 . 29

8. 1 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

9. DEFINE THE SPEED RANGES USED (MPH) 65

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: Lane 1 = class 9 Axle 1 at 10,700

Lane 2 = class 2 axle 1 at 2,200

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 X TIME NUMBER OF TRUCKS

14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:

*** FHWA CLASS 9

*** FHWA CLASS 8

*** PERCENT UNCLASSIFIED VEHICLES:

.5

1.0

1

4

FHWA CLASS

FHWA CLASS

FHWA CLASS

FHWA CLASS

PERSON LEADING CALIBRATION EFFORT	Michael H. Ashbrook
CONTACT INFORMATION	828-837-9922
	rev. November 9, 1999