

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ _____ ]
	*STATE CODE	[ <u>37</u> ]
	*SHRP SECTION ID	[ <u>5037</u> ]

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

MILEPOST NO. OR LOCATION (THIS COUNT) 54.52

FILE NAME C375037.C1D DISK ID \_\_\_\_\_

BEGINNING DATE 1/1/03 BEGINNING TIME 0000

ENDING DATE 1/22/03 ENDING TIME 2400

COUNT DURATION 22 [ ] 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

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ _____ ]
	*STATE CODE	[ <u>37</u> ]
	*SHRP SECTION ID	[ <u>5037</u> ]

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

MILEPOST NO. OR LOCATION (THIS COUNT) 54.52

FILE NAME C375037.CND DISK ID \_\_\_\_\_

BEGINNING DATE 1/24/03 BEGINNING TIME 0000

ENDING DATE 3/31/03 ENDING TIME 2400

COUNT DURATION 67 [ ] 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>
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<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	[ 5037 ]

HIGHWAY RT. NO. (THIS COUNT) 1-40

MILEPOST NO. OR LOCATION (THIS COUNT) 54.52

FILE NAME C375037.F7D DISK ID \_\_\_\_\_

BEGINNING DATE 4/7/03 BEGINNING TIME 0000

ENDING DATE 6/15/03 ENDING TIME 2400

COUNT DURATION 70 [   ] 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

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 provided for lane 1 only due to sensor failure 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>10/8/03</u>	Revised November 11, 1999

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ _____ ]
	*STATE CODE	[ <u>37</u> ]
	*SHRP SECTION ID	[ <u>5037</u> ]

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

MILEPOST NO. OR LOCATION (THIS COUNT) 54.52

FILE NAME C375037.HHD DISK ID \_\_\_\_\_

BEGINNING DATE 6/18/03 BEGINNING TIME 0000

ENDING DATE 6/30/03 ENDING TIME 2400

COUNT DURATION 13 [ ] 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: \_\_\_\_\_

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



<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	[ 5037 ]

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

MILEPOST NO. OR LOCATION (THIS SESSION) 54.52

FILE NAME W375037.D2D DISK ID \_\_\_\_\_

BEGINNING DATE 2/2/03 BEGINNING TIME 0000

ENDING DATE 2/8/03 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

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

<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	•STATE ASSIGNED ID	[ _____ ]
	*STATE CODE	[ <u>37</u> ]
	*SHRP SECTION ID	[ <u>5037</u> ]

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

MILEPOST NO. OR LOCATION (THIS SESSION)    54.52

FILE NAME    W375037.H1D      DISK ID    \_\_\_\_\_

BEGINNING DATE    6/1/03      BEGINNING TIME    0000

ENDING DATE    6/7/03      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

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 provided for lane 1 only due to sensor failure 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>10/8/03</u>	Revised February 21, 2000

<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	[ 5037 ]

HIGHWAY RT. NO. (THIS SESSION) 1-40

MILEPOST NO. OR LOCATION (THIS SESSION) 54.52

FILE NAME W375037.IDC DISK ID \_\_\_\_\_

BEGINNING DATE 7/14/03 BEGINNING TIME 0000

ENDING DATE 7/20/02 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 Automatic calibration capabilities.

Data provided for TMG lane only due to bad sensors 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>1/14/03</u>	Revised February 21, 2000



<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ _____ ]
	*STATE CODE	[ <u>37</u> ]
	*SHRP SECTION ID	[ <u>5037</u> ]

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

MILEPOST NO. OR LOCATION (THIS SESSION) 54.52

FILE NAME W375037.IJD DISK ID \_\_\_\_\_

BEGINNING DATE 7/20/03 BEGINNING TIME 0000

ENDING DATE 7/26/03 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

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  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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>1/23/04</u>	Revised February 21, 2000

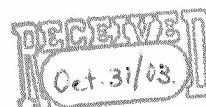
<b>SHEET 14</b> <b>LTPP TRAFFIC DATA</b> <b>EQUIPMENT INSTALLATION</b> <b>LOG</b>	*STATE ASSIGNED ID [       ]	LOCATION <u>140 west at MM 54</u>
	*STATE CODE [ <u>37</u> ]	INSTALLATION DATE <u>6/16/03</u>
	*SHRP SECTION ID [ <u><del>1814</del></u> ]	

5037

5037

	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			
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			
Downstream - Lane I			
Upstream - Other Lanes			
Downstream - Other Lanes			

revised November  
11, 1999)



SITE CALIBRATION INFORMATION

1. \*DATE OF CALIBRATION (MONTH/DAY/YEAR)6/27/03
2. \*TYPE OF EQUIPMENT CALIBRATEDWIMCLASSIFIERXBOTH
3. \*REASON FOR CALIBRATION  
REGULARLY SCHEDULED SITE VISITRESEARCH  
EQUIPMENT REPLACEMENTTRAINING  
DATA TRIGGERED SYSTEM REVISIONXNEW EQUIPMENT INSTALLATION
4. \*SENSORS INSTALLED IN LTPP LANE AT THIS SITE (CHECK ALL THAT APPLY):  
BARE ROUND PIEZO CERAMICXBARE FLAT PIEZOBENDING PLATES  
CHANNELIZED ROUND PIEZOLOAD CELLSQUARTZ PIEZO  
CHANNELIZED FLAT PIEZOXINDUCTANCE LOOPSCAPACITANCE PADS  
OTHER (SPECIFY)
5. EQUIPMENT MANUFACTURERPEEK Traffic

WIM SYSTEM CALIBRATION SPECIFICS\*\*

- 6.\*\* CALIBRATION TECHNIQUE USED:  
TRAFFIC STREAMSTATIC SCALE (Y/N)XTEST TRUCKS  
NUMBER OF TRUCKS COMPARED1NUMBER OF TEST TRUCKS USED  
10PASSES PER TRUCK  
TRUCKTYPE  
19  
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 GVW98  
DYNAMIC AND STATIC SINGLE AXLES225  
DYNAMIC AND STATIC DOUBLE AXLES90  
STANDARD DEVIATION38  
STANDARD DEVIATION93  
STANDARD DEVIATION715  
8. 1NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED  
9. DEFINE THE SPEED RANGES USED (MPH)55  
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 AXLE 1 AT 09.50  
LN2 = CLASS 2 AXLE 1 AT 02.10

CLASSIFIER TEST SPECIFICS\*\*\*

- 12.\*\*\* METHOD FOR COLLECTING INDEPENDENT VOLUME MEASUREMENT BY VEHICLE CLASS:  
VIDEOXMANUALPARRALLEL CLASSIFIERS
13. METHOD TO DETERMINE LENGTH OF COUNTXTIME  
NUMBER OF TRUCKS
14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:  
\*\*\* FHWA CLASS 9.1  
\*\*\* FHWA CLASS 8.5  
FHWA CLASS  
FHWA CLASS  
FHWA CLASS  
FHWA CLASS  
\*\*\* PERCENT UNCLASSIFIED VEHICLES:64

PERSON LEADING CALIBRATION EFFORTMichael H. Ashbrook

CONTACT INFORMATION828-837-9972

rev. November 9, 1999